APPROVED BY _

ICATE* SUBMIT IN 7 (Other instructions on reverse side)

Form approved. Budget Bureau No. 42-R1425.

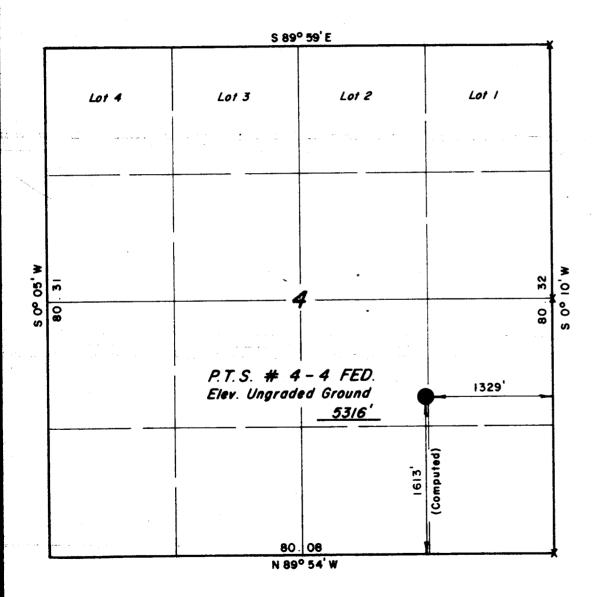
UNITED STATES

| | DEPARTMEN | T OF THE | NTERIOR | | ! | 5. LEASE DESIGNATION A | ND SERIAL NO. |
|---|--|--|--|---|--|--|--|
| | | GICAL SURV | | | | U33433 | |
| APPLICATION | N FOR PERMIT | | | PLUG B | ACK | 6. IF INDIAN, ALLOTTEE | OR TRIBE NAME |
| In. TYPE OF WORK | LL 🖄 | DEEPEN | | LUG BAC | | 7. UNIT AGREEMENT NA | ME |
| b. TYPE OF WELL | vs (Δ.) | | BINGLE | MULTIP | LE [| 8. FARM OR LEASE NAM | E |
| WELL W | ELL X OTHER | | ZONE | ZONE | | Federal | |
| = | mission Supply | Company | | : | | 9. WELL NO. | |
| 3. ADDRESS OF OPERATOR | Silitas foir Supply | company | | | | 4-4 | |
| | 3, Casper, Wyo. | 82602 | | | | 10. FIELD AND POOL, OR | WILDCAT |
| 4. LOCATION OF WELL (Re | eport location clearly an | d in accordance wi | th any State requiren | nents.*) | | Wild Cut | |
| At surface 1613' from so | outh line, 1329 | from east | t line. | | | 11. SEC., T., R., M., OR BI AND SURVEY OR ARE | |
| At proposed prod son | . NW 1/4 SF 1/ | 4. Section | 4. T10S. R23 | E. S.L. | B.&M. | | _ |
| 14. DISTANCE IN MILES A | e NW 1/4 SE 1/ Uintah C | County, Utah | า้าไม่พร | E' | | Section 4, T | |
| 14. DISTANCE IN MILES | AND DIRECTION FROM NE. | AREST TOWN OR PO | ST OFFICE* | | | 12. COUNTY OR PARISH | |
| 58 miles sout | cheast of Verna | 1, Utah | | | | Uintah | Utah |
| 15. DISTANCE FROM PROPULOCATION TO NEAREST | | 70001 | 16. NO. OF ACRES I | | | F ACRES ASSIGNED | |
| PROPERTY OR LEASE L (Also to nearest drig | INE, FT. | 1329¹ | 1820 | | | 160 | · |
| 18. DISTANCE FROM PROP TO NEAREST WELL, DI | OSED LOCATION* | | 19. PROPOSED DEPT | н , | | RY OR CABLE TOOLS | |
| OR APPLIED FOR, ON THE | IS LEASE, PT. | | 8800 | | , K | otary | |
| 21. ELEVATIONS (Show who | | | | | | 22. APPROX. DATE WOR | |
| 5316' Ungra | ided ground, 53 | 30' KB est | imated | | | Upon recei | pt of approva |
| 23. | | PROPOSED CASI | NG AND CEMENTII | NG PROGRA | M | | · . |
| SIZE OF HOLE | BIZE OF CABING | WEIGHT PER I | | DEPTH | 050 | QUANTITY OF CEMENT | |
| 17-1/2" | 13-3/8" | 48.0 | 200 | | | acks, Circ. to | <u>surface</u> |
| 12-1/4" | 9-5/8" | 36.0 | 2500 | | 275 si | | |
| 7-7/8" | 4-1/2" | 11.6 | 8800 | | | cessary to prot ve intervals. | ect all pro- |
| 9-5/8", 36.0% section of the will be evaluation and a times as indiduction is enadequately process. | *, K-55 intermed the Green River lated and report lated in the accountered, 4-1 rotect all potential has proposed procedum: If drill or deepen direction | ediate casing formation. The varied. The varied proposal is to decompose to the decomposal is to decompose to the decompose t | ng will be ru All water f well will be s. Adequate essure Contro , N-80 productive inte anticipated. | n and clows an operate BOP equal Specition carvals. | emented sign d according to the sign with th | the Mesaverde for the description of the at will be maintained on the at the commer ill be run and permal pressure dent truly etteal depth and truly etteal | e oil shale rbon shows tached well ined at all cial procemented to |
| 24. | No sep | T | Petroleum | Engine | er | PATE Sept. 2 | 4, 1979 |
| | ral or State office use) | | ANDROUAL | TE | | | |
| PERMIT NO. | | | APPROVAL DA | | | | · |

CONDITIONS OF APPROVAL, IF ANY: 3-USGS,SLC,UT; 1-Div.of OG&M,SLC,UT; 1-JLWroble; 1-ERHenry; 1-EEMulholland; 1-File

TITLE

T 10 S, R 23 E, S.L.B.&M.



X = Section Corners Located

PROJECT

PACIFIC TRANSMISSION SUPPLY COMPANY

Well location, P.T.S. # 4-4 Fed.
located as shown in the NW I/4 SE I/4
Section 4, TIOS, R 23 E, S.L.B.& M.
Uintah County, Utah.

CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR REGISTRATION № 3154

UINTAH ENGINEERING & LAND SURVEYING
P.O. BOX Q — 110 EAST - FIRST SOUTH
VERNAL. UTAH - 84078

| SCALE " = 1000 | | DATE 9 - 20 - 79 | | |
|--------------------|--------|---------------------------|---|--|
| PARTY G.S. J.S. | B.F.W. | REFERENCES G.L.O. Plat | _ | |
| WEATHER Hot | | FILE PACIFIC TRANSMISSION | | |

WELL PROGRAM

WELL: PTS #4-4 Federal

LOCATION: 1613' from the south line and 1329' from the east line of Section 4, T10S,

R23E, Uintah County, Utah.

CONTRACTOR: To be selected.

OBJECTIVE: A depth of 8800' should be sufficient to penetrate 300' into the Castlegate.

| Formation | Depth | Datum |
|--|---|---|
| Green River Wasatch Y-Marker Mesaverde Castlegate Total Depth | Surface 4580' 5880' 6180' 8480' 8800' or | + 750 - 550 - 850 -3150 300' into the Castlegate |
| | Wasatch Y-Marker Mesaverde Castlegate | Green River Surface Wasatch 4580' Y-Marker 5880' Mesaverde 6180' Castlegate 8480' |

SAMPLES: Collect cutting samples at ten (10) foot intervals from under surface to total depth. Samples will be collected by drilling crews for the wellsite geologist. Two (2) sets of samples will be collected in the oil shale section of the Green River formation with one (1) set to be sent to the Bureau of Mines, Laramie, Wyoming. Frequency of sample collection may be changed at the wellsite geologist's discretion.

ELECTRICAL

SURVEYS: The following Logging Program will be employed.

200' - 2500' 12-1/4" hole to 2500'. Run Dual Induction Laterolog, Borehole Compensated Sonic and Compensated Formation Density logs.

2500' - 8800' 7-7/8" hole below 9-5/8" casing. Run Dual Laterolog, Borehole Compensated Sonic and Compensated Formation Density logs.

MUD LOGGER: A portable mud logging unit will be operated by the wellsite geologist from below surface casing to total depth.

TESTING

PROGRAM: All significant shows of oil and gas will be drillstem tested. Use floor manifold with positive choke assembly, hydraulic jars, safety joint, reverse circulating sub, sampler assembly and dual packers. Collect samples of all fluids recovered for further analysis.

DRILLING FLUID PROGRAM:

Interval (Feet) Mud Weight (1bs/gal)

Viscosity (secs/qt)

Fluid Loss (m1/30 min)

0 - 200

----AIR-----

Set 13-3/8" casing at 200'.

200 - 2500

8.4 - 8.8

27 - 29

No Control

Drill out surface casing with water, increasing the drilling fluid salinity to about 40,000 ppm NaCl. The salty water will improve hole stability by minimizing swelling shale tendencies and will allow cuttings to settle out rapidly. Utilize available solids control equipment and circulate reserve pit if possible. Occasional sweeps of prehydrated bentonite may be necessary to insure adequate hole cleaning while drilling 12-1/4" hole.

Some loss of circulation is anticipated in this interval. Lost circulation should be handled with conventional types of lost circulation materials with fine mica recommended for minor losses. If severe losses are encountered requiring the use of lost circulation material that will not pass through the shaker screen, consider using pill treatments instead of maintaining lost circulation material in the system continuously. Lost circulation which cannot readily be controlled by more conventional means may justify the use of cement plugs.

Set 9-5/8" intermediate casing @ 2500'.

2500 - Total Depth

9.0 - 10.5

27 - 34

12 - 20 ccs.

Drill out intermediate casing and continue drilling with 60,000-80,000 ppm salt water. Neglecting solids control when drilling with water can result in differential sticking in subnormally pressured, permeable zones. This is due to the thick wall cake which forms as a result of high fluid loss and relatively high solids content. Consequently, if the reserve pit cannot be included in the active system, precautions should be taken to prevent drilled solids from being recirculated. The mud tanks should be dumped and cleaned frequently and all available solids control equipment should be used. Occasional sweeps of prehydrated bentonite, salt gel or asbestos fiber should be used as necessary to clean the hole if tight connections are experienced or excessive fill in encountered. A drilling detergent might be used to provide lubricity and minimize bit balling. Maintain minimum viscosities and solids at all times to approximately 6000'.

As it becomes necessary, or at approximately 6000' mud up with salt gel for viscosity, caustic soda for pH control and starch and preservative for fluid loss control. Additions of a lignosulfonate may be used as needed to control the flow properties of the mud. Avoid arbitrarily increasing the viscosity of the mud above that which is recommended. Well site interpretation of hole conditions will help determine the degree of mud up and necessary fluid properties to be maintained.

Higher than normal formation pressures should be anticipated in this interval. Fluid densities of 9.5-10.5 lbs/gal may be required to safely balance formation pressures. Drilling fluid salinity can be adjusted as necessary to increase mud weight without adding additional solids to the system.

Seepage and slight lost circulation may occur as the mud weight is increased. To avoid fracturing weak formations, maintain mud weight, vield point and gels as low as possible without sacrificing safe operations. Care should be taken to minimize swab and surge pressures by avoiding excessive pipe speed while tripping in and out of the hole.

A small stream of water should be run continuously while drilling and the mud tanks should be cleaned frequently to minimize the recirculation of drilled solids and allow the addition of fresh materials to the system. Water should be reclaimed from the reserve pit to conserve water and also reduce some chemical additions.

| CASING PROGRAM: | Size | Setting Depth | <u>Hole Size</u> | Cement |
|-----------------|---------|---------------------|------------------|--|
| | 13-3/8" | 200 ^t | 17-1/2" | 250 sxs. Class G w-3% Calcium Chloride |
| | 9-5/8" | 2500 ' (<u>+</u>) | 12-1/4" | Approximately 275 sxs. to be verified after logs are run. |
| | 4-1/2" | 8800' | 7-7/8" | Amount will be determined after logs are run. Use regulated fillup and Class G type cements. |

PRESSURE CONTROL EQUIPMENT AND SPECIFICATIONS:

Adequate BOP equipment will be maintained as indicated in the attached Pressure Control Specifications. In addition, the BOP equipment will be well-braced with hand controls extending clear of the drilling rig substructure. The accumulator equipment will provide closing pressure in excess of that required with sufficient volume to operate all components. All BOP equipment, auxiliary equipment, standpipe, valves and rotary hose will be tested as per test schedule or to the rated pressure of the equipment at the time of installation. Modification of the pressure control equipment or testing procedure will be approved in writing on tour sheets by the wellsite representative.

DRILLING PROCEDURE

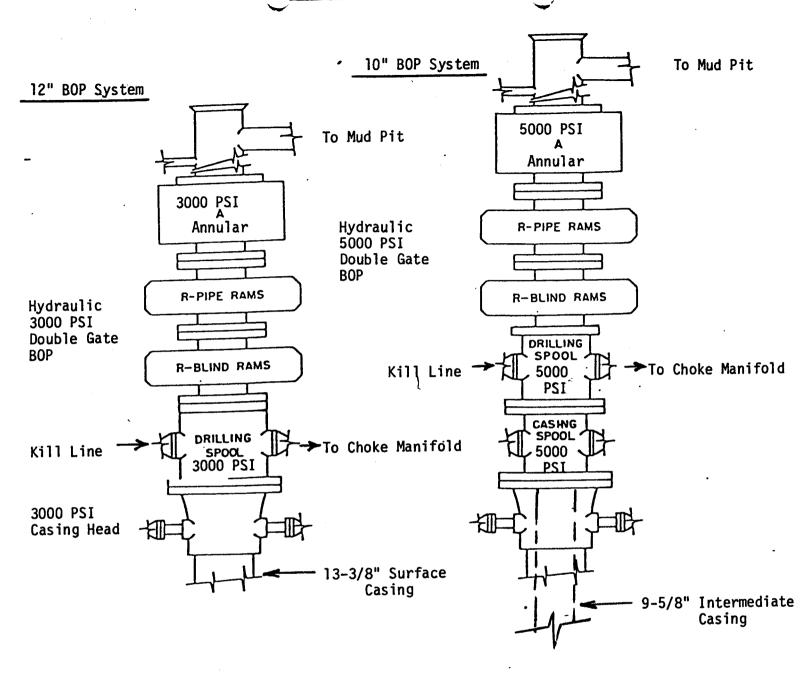
PTS #4-4

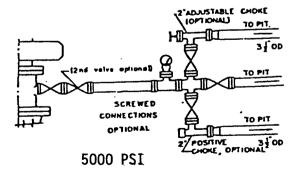
- 1) Move in air precussion rig and drill 17-1/2" hole to 200'. Set and cement 13-3/8", 48.0#, H-40 casing to surface with approximately 250 sacks cement. WOC.
- 2) Move in rotary drilling rig and equipment. Cut off 13-3/8" casing and install 3000# casing flange. Install BOP equipment and pressure test BOP's, manifold, valves, and annular preventer to 2500# prior to drilling casing shoe. Drill 12-1/4" hole to 2500'. Conduct electric logging and prepare hole for intermediate casing.
- 3) Set and cement 9-5/8", 36.0#, K-55 intermediate casing sufficiently to protect any water, oil, gas or other mineral-bearing formations. WOC.
- 4) Land casing and install intermediate spool. Install BOP equipment and retest prior to drilling casing shoe.
- 5) Drill 7-7/8" hole to total depth. Perform drill stem testing as warranted. Conduct electric logging and prepare hole for production casing.
- 6) Run 4-1/2", 11.6#, N-80 production casing and cement as necessary across potential zones. The length of the cement column will be determined after the logs have been evaluated.
- 7) Release rotary drilling rig and develop completion procedure.

Special Instructions:

- 1) Run deviation surveys at regular intervals and in conjunction with bit trips.
- 2) Utilize a degasser and necessary solids control equipment.
- 3) Avoid surging hole on trips and fill hole properly when pulling pipe.
- 4) All crew members should be familiar with BOP operations. Functional test pipe rams daily and close blind rams each trip out of the hole.
- 5) Drilling crews should observe to detect either decrease or increase in fluid level.
- 6) A regular daily mud check should be made by mud engineer.
- 7) Drill stem testing will be determined by the well site geologist.

PESSURE CONTROL SPECIFICATIONS





CHOKE-MANIFOLD DESIGN

TEST SCHEDULE

12" BOP System & 13-3/8" Casing to 2500 PSI.

10" BOP System & Choke Manifold to 5000 PSI.

9-5/8" Casing to 3500 PSI.

Auxiliary Equipment
Lower kelly cock, full opening
stabbing valve, and mud monitoring
system including pit level indicators
and/or flow sensor with alarms.

Personnel & Mailing Information:

Dee E. Beardsley, Manager of Operations
Pacific Transmission Supply Company

P.O. Box 3093

Casper, Wyoming 82602

Telephone: Office (307) 265-1027

Home (307) 234-7666

E. E. Mulholland, Operations Engineer Pacific Transmission Supply Company P.O. Box 3093

Casper, Wyoming 82602

Telephone: Office (307) 265-1027

Home (307) 265-4191

R. J. Firth
Pacific Transmission Supply Company
85 South 200 East
Vernal. Utah 84078

Telephone: Office (801) 789-4573

Home (801) 789-5575

Notification of Shows, DST's and Unusual Problems:

 Dee E. Beardsley
 Office: 307-265-1027
 Home: 307-234-7666

 J. L. Wroble
 303-571-1662
 303-770-2667

 E. E. Mulholland
 307-265-1027
 307-265-4191

 R. J. Firth
 801-789-4573
 801-789-5575

Distribution of Information:

Pacific Transmission Supply Company P.O. Box 3093 Casper, Wyoming 82602

Attn: Mr. D. E. Beardsley

Pacific Transmission Supply Company 717 Seventeenth Street, Suite 2300 Denver, Colorado 80202 Attn: Mr. J. L. Wroble

State of Utah Division of Oil, Gas and Mining 1588 West North Temple Salt Lake City, Utah 84116 Attn: Chief Petroleum Engineer Pacific Transmission Supply Company 85 South 200 East

Vernal, Utah 84078 Attn: Mr. R. J. Firth

United States Geological Survey

Conservation Division Branch of Oil and Gas 8440 Federal Bldg. 125 South State Street

Salt Lake City, Utah 84138 Attn: Mr. E. W. Guynn ** FILE NOTATIONS **

| DATE: Sept 27,1979 NO | 3 5 |
|---|---|
| Operator: Pacific Transmission | Aupply Co |
| Well No: Stand 4-4 | |
| Location: Sec. 4 T. 105 R. 33E Cou | inty: <u>Uintah</u> |
| | on N.I.D.: |
| | ion Sheet:/\\ |
| API Number 43- | 047-30632 |
| CHECKED BY: | |
| Geological Engineer: | |
| | |
| Petroleum Engineer: | |
| | |
| Director: OK w/order NW on | 58/4 |
| APPROVAL LETTER: | (|
| Bond Required: | Survey Plat Required: |
| order No. 179-1 10/24/18 | 0.K. Rule C-3 |
| Rule C-3(c), Topographic Exception/compo within a 660' radius of pro | nny owns or controls acreage posed site |
| Lease Designation [300] | Plotted on Map |
| Approval Letter Written | |
| | liter |

September 28, 1979

Pacific Transmission Supply Co. P.O. Box 3093 Casper. Wyoming 82602

Re: Well No. Federal 4-4, Sec. 4, T. 10S, R. 23E., Wintah County, Utah Well No. Federal 4-5, Sec. 5, T. 10S, R. 23E., Wintah County, Utah

Insofar as this office is concerned, approval to drill the above referred to gas wells is hereby granted in accordance with the Order issued in Cause No. 179-1 dated October 24, 1978.

Should you determine that it will be necessary to plug and abandon these wells, you has hereby requested to immediately notify one of the following:

MICHAEL T. MINDER Geological Engineer Office: 533-5771 Home: 876-3001 FRANK M. HAMNER Chief Petroleum Engineer Office: 533-5771 Home: 531-7827

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (acquifers) are encountered during drilling. Your cooperation in completing this form will be appreciated.

Further, it is requested that this Division be notified within 24 hours after drilling operations commence, and that the drilling contractor and rig number be identified.

The API numbers assigned to these wells are #4-4 - 43-047-30632; #4-5 - 43-047-30633.

Sincerely,

DIVISION OF OIL, GAS AND MINING

Michael T. Minder Geological Engineer

/b.cm

cc: UGGS

Rule 30 CFR 221.20 requires well shall not be drilled closer than 200 ft. from the lease boundary or 200 ft. from any legal sub-division without adequate reasons or consent.

District Oil and Gas Engineer U. S. Geological Survey Conservation Division 8440 Federal Building Salt Lake City, Utah 84138



Re: Stipulation

| | 1/1/2 | |
|-----|-----------|----------|
| 605 | , from | * |

| Dear Sir: | Federal 4- | 4 |
|---------------------------------|---------------------|------------------------|
| PACIFIC TRANSMISSION SUPPLY CON | ADANY is the OV | mer of U.S. Ull and |
| C 1 c- 1122/122 | ano ore | BOOSES LO ULITI A METI |
| on the leased premises to test | t for oil and gas a | t a location in the |
| ょ NW は SE は Section 4 . T. 10 | OS , R. 23E, SL | BWW her. |
| Count | ty, State of Ut | ah <u> </u> |
| <u> </u> | 329'from | East line of |
| Section 4 | | |

Section 221.20 of the Federal Oil and Gas Regulations requires that no well be drilled less than 200' from the boundary of any legal subdivision without the written consent of the Supervisor, United States Geological Survey. The proposed location is approximately from the East boundary line of the kg SE kg of Section 4, but is considered to be 9 feet y because of an order issued by the Board of Oil, Gas and Mining, State of Utah, dated 10-24-78 and identified as Cause No. 179-1 requires in the located at or near the center of the SE% or NW% of each on within the subject spaced area.

Therefore, Pacific Transmission Supply Co., Lessee, requests the consent of the Supervisor to the drilling of the proposed well at the above-described location. In consideration of such consent, PTS , Lessee, hereby expressly covenants and agrees that he will make no separate assignments of the NW 1/4 SE 1/4 and the NE ½ SE ½, Section 4 _____, T. 10S Mer., and that he will keep the two described subdivisions under joint assignment until the above-mentioned well has been plugged and abandoned with the approval of the Supervisor.

Very truly yours,

E. E. MULHOLLAND Operations Engineer

bcc:

Form approved. Budget Bureau No. 42-R1425.

UBMIT IN IPLICATE*
(Other instructions on reverse side) SUBMIT IN

UNITED STATES DEPARTMENT OF THE INTERIOR

| | GEOLO | GICAL SURV | EY T |)ÜPLICATE | CUD | 5. LEASE DESIGNATION AND SERIAL NO. | |
|--|--|--|--|--|--|---|--|
| APPLICATION | N FOR PERMIT 1 | | | | | U33433 6. IF INDIAN, ALLOTTEE OR TRIBE NAME | |
| 1a. TYPE OF WORK | | | | | | | |
| DRI b. TYPE OF WELL | ILL 🖄 | DEEPEN | | PLUG BA | CK 🗌 | 7. UNIT AGREEMENT NAME | |
| | AS OTHER | | | INGLE MULTIF | LE [| S. FARM OR LEASE NAME | |
| 2. NAME OF OPERATOR | | | | 2018 | | Federal | |
| Pacific Trans | smission Supply | Company | | | | 9. WELL NO. | |
| | 3, Casper, Wyo. | 92602 | | | | 4-4 | |
| 4. LOCATION OF WELL (R | eport location clearly and | 82602 in accordance wit | h any S | State requirements.*) | | 10. FIELD AND POOL, OR WILDCAT | |
| 1613' from so | outh line, 1329 | from east | line | e. | | 11. SEC., T., R., M., OR BLK. | |
| At proposed prod. zon | e NW 1/4 SE 1/4 | , Section | 4, T | 10S, R23E, S.L. | B.&M. | Section 4, TlOS, R23E | |
| | Uintah Co AND DIRECTION FROM NEAR theast of Vernal | | T OFFIC | | | 12. COUNTY OR PARISH 13. STATE Uintah Utah | |
| 15. DISTANCE FROM PROPO LOCATION TO NEAREST PROPERTY OR LEASE L (Also to nearest drig | r JINE, FT. g. unit line, if any) | 329' | 16. NO | 1820 | | DF ACRES ASSIGNED HIS WELL 160 | |
| 18. DISTANCE FROM PROP TO NEAREST WELL, D OR APPLIED FOR, ON TH | RILLING, COMPLETED, | | 19. PR | 8800 BEPTH | | RY OR CABLE TOOLS | |
| 21. ELEVATIONS (Show who | | 201 1/2 - 1/2 | | | <u> </u> | 22. APPROX. DATE WORK WILL START* | |
| 23. Ungra | aded ground, 533 | | | | | Upon receipt of appr | |
| | | | | CEMENTING PROGRA | | | |
| 17-1/2" | 13-3/8" | 48.0 | 700 | SETTING DEPTH | 250 6 | QUANTITY OF CEMENT | |
| 12-1/4" | 9-5/8" | 36.0 | | 2500 | 275 si | acks, Circ. to surface | |
| 7-7/8" | 4-1/2" | 11.6 | | 8800 | | necessary to protect all pr | |
| 9-5/8", 36.0% section of the will be evaluately program and a times as indiduction is eradequately program, atures or other constant of the second se | r, K-55 intermediane Green River is lated and report all applicable ricated in the at accountered, 4-1/rotect all potenter potential had a proposed Program: If partition of deepen directional accountered. | inate casing formation. The water and the w | g wi All ell v . Ac ssure N-80 duct antic | Il be run and commater flows and will be operated dequate BOP eques Control Specion calve intervals in the control of the cont | test emente d sign d acco ipment ficati sing w FEB | the Mesaverde formation. d to protect the oil shal ificant hydrocarbon shows rding to the attached wel will be maintained at al ons. If commercial pro- ill be run and cemented t pressures or tempe 11 1980 Giffing Tope and proposed new productive I and trac vertical depths. Give blowout S & MINING DATE Sept. 24, 1979 | |
| (This space for Fede | ral or State office use) | | | 70. | | | |
| PERMIT NO. | | | | APPROVAL DATE | | | |
| APPROVED BY | (ORIG. SGD.) E. W. GUYNA | j TIT | | DISTRICT ENGINE | ER | FEB 0 8 1980 | |
| | • | ,SLC,UT; 1 | -JLW1 | roble; 1-ERHenr | y; 1-E | EMulholland; 1-File | |

NOTICE OF APPROVAL

CONDITION STOPPINE PROVALETATISTICHED TO OPERATOR'S COPY

FLARING OR VENTING OF GAS IS SUBJECT TO NTL 4-A **DATED 1/1/80**

| | U. S. GEOLOGICAL SURVEY - CONSERVA | ATION DIVISIO | N |
|-------------------|--|---------------------------------------|-----------|
| FROM: : | DISTRICT GEOLOGIST, ME, SALT LAKE CITY, UTAH | | |
| TO : | DISTRICT ENGINEER, O&G, SALT LAKE CITY, UTAH | | |
| SUBJECT: | APD MINERAL EVALUATION REPORT | LEASE NO. | |
| OPERATOR: | Pacific I remaining Supply. | WELL NO. Li | - (1 |
| LOCATION: | <u> </u> | E, Selan | |
| l. Strati | graphy: Llintal - Surface | · · · · · · · · · · · · · · · · · · · | |
| | Grein River 240 | | |
| | (Wasatch~4130) | | |
| | Mesaverde ~ 6130 | | |
| | Castlizate ~ 84.31) | | |
| | Castligate ~ 8450) | | |
| Granda San Leanah | Water: possible in Uintah Fm. Usable walds and water a about 2300 to 2000 possible ole Minerals: Oil Shale-maling an Jone-al about | by the | |
| | | | |
| | | | |
| | | | |
| | .# | | |
| 4. Addit: | ional Logs Needed: adequate | | |
| 5. Poten | tial Geologic Hazards: slight over press with saverde to about 0.52 psi/f+ | gin lover | Wasatch o |
| 6. Refer | ences and Remarks: | | |

gnature: ______ Date: 10 - 24 - 29

United States Department of the Interior Geological Survey 2000 Administration Bldg. 1745 West 1700 South Salt Lake City, Utah 84138

Usual Environmental Analysis

Lease No.: U-33433

Operator: Pacific Transmission Supply Company Well No.:4-4

Location: 1613' FSL & 1329' FEL Sec.: 4 T.: 10S. R.: 23E.

County: Uintah State: Utah Field: Wildcat

Status: Surface Ownership: Public Minerals: Federal

Joint Field Inspection Date: October 18, 1979

Participants and Organizations:

Greg Darlington USGS-Vernal BLM-Vernal

Ron Dettloffson Pacific Transmission Supply

Red Case Ross Construction

Related Environmental Analyses and References:

(1) Unit Resource Analysis, Bonanza Planning Unit, BLM, Vernal.

Environmental Scientist

Vernal, Utah

Analysis Prepared by: Greg Darlington

Reviewed by: George Diwachak

Environmental Scientist

Salt Lake City, Utah

Date: October 22, 1979

160 x 150 person (100 x 150 pe

Noted - G. Diwaci....

Proposed Action:

On September 28, 1979, Pacific Transmission Supply Company filed an Application for Permit to Drill the No. 4-4 exploratory well, an 8800 ft. gas test of the Mesa Verde formation; located at an elevation of 5316 ft. in the NW $_4$ SE $_4$ Section 4, T. 10S., R. 23 E. on Federal mineral lands and Public surface; lease No. U-33433.

There was no objection raised to the wellsite. Since an objection was raised to the access road, it was modified to use an existing low water crossing. The existing road would be rerouted around the pad to permit access. Rerouting would utilize the existing low water crossing to eliminate the need for culvert installation.

A rotary rig would be used for the drilling. An adequate casing and cementing program is proposed. Fresh-water sands and other mineral-bearing formations would be protected. A Blowout Preventor would be used during the drilling of the well. The proposed pressure rating should be adequate. Details of the operator's NTL-6 10-Point Subsurface Plan are on file in the USGS District Office in Salt Lake City, Utah and the USGS Northern Rocky Mountain Area Office in Casper, Wyoming. The 13-Point Surface Protection Plan is on file in the District Office in Salt Lake City.

A working agreement has been reached with the BLM, the controlling surface agency. Rehabilitation plans would be decided upon as the well neared completion; the Surface Management Agency would be consulted for technical expertise on those arrangements.

The operator proposes to construct a drill pad 160 ft. wide x 300 ft. long and a contoured reserve pit approximately 100 ft. x 150 ft. A rerouting of the access road around the pad would necessitate a new access road construction of about 18 feet wide by 300 feet long and a berm would be built around the West and South of the pad to facilitate the handling of existing runoff from a maintained road. The operator proposes to construct production facilities on disturbed area of the proposed drill pad.

If production is established, plans for a gas flow line would be submitted to the appropriate agencies for approval. The anticipated starting date is upon approval and duration of drilling activities would be about 30 days.

Location and Natural Setting:

The proposed drill site is approximately 58 miles Southeast of Vernal, Utah, the nearest town. A fair road runs to the location. This well is an exploratory well.

Topography:

The location is on a hillside with a gentle slope and small rock outcrops to the West of the pad.

Geology:

The surface geology is the Green River Formation.

The soil is a sandy clay with sandstone and shale rocks and gravels.

No geologic hazards are known near the drillsite.

Seismic risk for the area is moderate. Anticipated geologic tops are filed with the 10Point Subsurface Protection Plan.

A 9 5/8", 36.0#, K-55 intermediate casing will be run and cemented to protect the oil shale section of the Green River Formation. All water flows and significant hydrocarbon shows will be evaluated and reported.

Approval of the proposed action would be conditioned that adequate and sufficient electric/radioactive/density logging surveys would be made to locate and identify any potential mineral resources. Production casing and cementing would be adjusted to assure no influence of the hydrocarbon zones through the well bore on these minerals. In the event the well is abandoned, cement plugs would be placed with drilling fluid in the hole to assure protection of any mineral resources.

The potential for loss of circulation would exist and is possible in the sandstone units of the Mesa Verfe. Loss of circulation may result in the lowering of the mud levels, which might permit exposed upper formations to blow out or to cause formation to slough and stick to drill pipe. A loss of circulation would result in contamination due to the introduction of drilling muds, mud chemicals, filler materials, and water deep in to the permeable zone, fissures, fractures, and caverns within the formation in which fluid loss is occurring. The use of special drilling techniques, drilling muds, and lost circulation materials may be effective in controlling lost circulation.

A geologic review of the proposed action has been furnished by the Area Geologist, U.S. Geological Survey, Salt Lake City, Utah.

The operator's drilling, cementing, casing and blowout prevention programs have been reviewed by the Geological Survey engineers and determined to be adequate.

Soils:

No detailed soil survey has been made of the project area. The top soils in the area range from a sandy clay to a clay type soil. The soil is subject to runoff from rainfall and has a high runoff potential and sediment production would be high. The soils are mildly to moderately alkaline and support the salt-desert shrub community.

Top soil would be removed from the surface and stockpiled. The soil would be spread over the surface of disturbed areas when abandoned to

aid in rehabilitation of the surface. Rehabilitation is necessary to prevent erosion and encroachment of undesired species on the disturbed areas. The operator proposes to rehabilitate the location and access roads per the recommendations of the Bureau of Land Management.

Approximately 1.6 acres of land would be stripped of vegetation. This would increase the erosional potential. Proper construction practice, construction of water bars, reseeding of slope-cut area would minimize this impact.

Air:

No specific data on air quality is available at the proposed location. There would be a minor increase in air pollution due to emissions from rig and support traffic engines. Particulate matter would increase due to dust from travel over unpaved dirt roads. The potential for increased air pollution due to leaks, spills, and fire would be possible.

Relatively heavy traffic would be anticipated during the drillingoperations phase, increasing dust levels and exhaust pollutants in the area. If the well was to be completed for production, traffic would be reduced substantially to a maintenance schedule with a corresponding decrease of dust levels and exhaust pollutants to minor levels. If the project results in a dry hole, all operations and impact from vehicular traffic would cease after abandonment. Due to the limited number of service vehicles and limited time span of their operation, the air quality would not be substantially reduced.

Toxic or noxious gases would not be anticipated.

Precipitation:

Annual rain fall should range from about 8 to 11" at the proposed location. The majority of the numerous drainages in the surrounding area are of a non-perennial nature flowing only during early spring runoff and during extremely heavy rain storms. This type of storm is rather uncommon as the normal annual precipitation is around 8".

Winds are medium and gusty, occurring predominately from West to East. Air mass inversions are rare. The climate is semi-arid with abundant sunshine, hot summers and cold winters with temperature variations on a daily and seasonal basis.

Surface Water Hydrology:

The location drains through a large nonperrennial drainage near the pad to the White River about 2½ miles distance from the proposed pad (to the South of the pad). The White River is a tributary of the Green River.

A berm would be built for drainage diversion to alleviate existing runoff problems on the proposed pad.

Some additional erosion would be expected in the area since surface vegetation would be removed. If erosion became serious, drainage systems such as water bars and dikes would be installed to minimize the problem. The proposed project should have minor impact on the surface water systems. The potentials for pollution would be present from leaks or spills. The operator is required to report and clean-up all spills or leaks.

Ground Water Hydrology:

Some minor pollution of ground water systems would occur with the introduction of drilling fluids (filtrate) into the aquifer. This is normal and unavoidable during rotary drilling operations. The potential for communication, contamination and comingling of formations via the well bore would be possible. The drilling program is designed to prevent this. There is need for more data on hydrologic systems in the area and the drilling of this well may provide some basic information as all shows of fresh water would be reported. Water production with the gas would require disposal of produced water per the requirements of NTL-2B. The depths of fresh water formations are listed in the 10-Point Subsurface Protection Plan. The pits would be unlined. If fresh water should be available from the well, the owner or surface agency may request completion as a water well if given approval.

Vegetation:

Sagebrush, shad scale and native grasses predominate at the location. Other plants in the area are of the salt-desert-shrub types.

Proposed action would remove about 1.6 acres of vegetation. Removal of vegetation would increase the erosional potential and there would be a minor decrease in the amount of vegetation available for grazing.

The operator proposes to rehabilitate the surface upon completion of operations.

Wildlife:

The fauna of the area consists predominantly of mule deer, antelope, coyotes, rabbits, foxes, and varieties of small ground squirrels and other types of rodents and various types of reptiles. The area is used by man for the primary purpose of grazing domestic livestock and sheep. The birds of the area are raptors, finches, ground sparrows, magpies, crows, and jays.

An animal and plant inventory has been made by the BLM. No endangered — plants or animals are known to inhabit the project area.

Social-Economic Effect:

An on the ground surface archaeological reconnaissance would be required prior to approval of the proposed action. Appropriate clearances would

then be obtained from the surface managing agency. If a historic artifact, an archaeological feature or site is discovered during construction operations; activity would cease until the extent, the scientific importance, and the method of mitigating the adverse effects could be determined by a qualified cultural resource specialist.

There are no occupied dwellings or other facilities of this nature in the general area. Minor distractions from aesthetics would occur over the lifetime of the project and is judged to be minor. All permanent facilities placed on the location would be painted a color to blend in with the natural environment. Present use of the area is grazing, recreation, and oil and gas activities.

Noise from the drilling operation may temporarily disturb wildlife and people in the area. Noise levels would be moderately high during drilling and completion operations. Upon completion, noise levels would be infrequent and significantly less. If the area is abandoned, noise levels should return to pre-drilling levels.

The site is not visible from any major roads. After drilling operations, completion equipment would be visible to passersby of the area but would not present a major intrusion.

The economic effect on one well would be difficult to determine. The overall effect of oil and gas drilling and production activity are significant in Uintah County.

But should this well discover a significant new hydrocarbon source, local, state, and possible national economics might be improved. In this instance, other development wells would be anticipated, with substantially greater environmental and economic impacts.

Should the wellsite be abandoned, surface rehabilitation would be done according to the surface agency's requirements and to USGS's satisfaction. This would involve leveling, contouring, reseeding, etc., of the location and possibly the access road. If the well should produce hydrocarbons, measures would be undertaken to protect wildlife and domestic stock from the production equipment.

There are no national, state, or local parks, forests, wildlife refuges or ranges, grasslands, monuments, trails or other formally designated recreational facilities near the proposed location.

The proposed location is within the Bonanza Planning Unit. This Environmental Assessment Record was compiled by the Bureau of Land Management, the surface managing agency of the Federal surface in the area. The study includes additional information on the environmental impact of oil and gas operations in this area and gives land use recommendations. The E.A.R. is on file in the agency's State offices and is incorporated herein by reference.

Waste Disposal:

The mud and reserves pits would contain all fluids used during the

drilling operations. A trash cage would be utilized for any solid wastes generated at the site and would be suitably removed at the completion of the operations. Sewage would be handled according to State sanitary codes. For further information, see the 13-Point Surface Plan.

Alternative to the Proposed Action:

- (1) Not approving the proposed permit-The oil and gas lease grants the lessee exclusive right to drill for, mine, extract, remove and dispose of all oil and gas deposits. Under leasing provisions, the Geological Survey has an obligation to allow mineral development if the environmental consequences are not too severe or irreversible. Upon rehabilitation of the site, the environmental effects of this action would be substantially mitigated, if not totally annulled. Permanent damage to the surface and subsurface would be prevented as much as possible under USGS and other controlling agencies supervision with rehabilitation planning reversing almost all effects. Additionally, the growing scarcity of gas should be taken into consideration. Therefore, the alternative of not proceeding with the proposed action at this time is rejected.
- (2) Minor relocation of the wellsite and access road or any special, restrictive stipulations or modifications to the proposed program would not significantly reduce the environmental impact. There are no severe vegetative, animal or archaeological-historical-cultural conflicts at the site. Since only a minor impact on the environment would be expected, the alternative of moving the location is rejected. At abandonment, normal rehabilitation of the area such as contouring, reseeding, etc., would be undertaken with an eventual return to the present status as outlined in the 13-Point Surface Plan.
- (3) Drilling should be allowed provided the following mitigative measures are incorporated into the proposed APD and adhered to by the operator.
 - A. The reserve pits would be contoured to allow the proposed access road to use the existing low water crossing before being rerouted around the pad. This would be the best place for a culvert if one is installed, however at the onsite it was thought that a low water crossing would probably be sufficient.
 - B. A berm would be built around the South and West sides of the pad to alleviate drainage problems. This berm is indicated as a drainage diversion on the layout diagram but not mentioned elsewhere in the APD.

Adverse Environmental Effects Which Cannot Be Avoid:

Surface disturbance and removal of vegetation from approximately 1.6 acres of land surface for the lifetime of the project which would result in increased and accelerated erosional potential. Grazing would be

eliminated in the disturbed areas and there would be a minor and temporary disturbance of wildlife and livestock. Minor induced air pollution due to exhaust emissions from rig engines of support traffic engines would occur. Minor increase in dust pollution would occur due to vehicular traffic associated with the operation. If the well is a gas producer, additional surface disturbance would be required to install production pipelines. The potential for fires, gas leaks, and spills of oil and water would exist. During the construction and drilling phases of the project, noise levels would increase. Potential for sub-surface damage to fresh water aquifers and other geologic formations exists. Minor distractions from aesthetics during the lifetime of the project would exist. If the well is a producer, an irreplaceable and irretrievable committment of resources would be made. Erosion from the site would eventually be carried as sediment in the White River. The potential for pollution to the White River would exist through leaks and spills.

Determination:

11/21/79

This requested action does not constitute a major Federal action significantly affecting the environment in the sense of NEPA, Section 102 (2) (C).

Date

District Engineer / U.S. Geological Survey Conservation Division

Oil and Gas Operations Salt Lake City District

PACIFIC TRANSMISSION SUPPLY COMPANY

13 Point Surface Use Plan

For

Well Location

P.T.S. #4-4 Federal

Section 4, TlOS, R23E, S.L.B.& M.

Uintah County, Utah

Α.

1. EXISTING ROADS

See attached Topographic Map "A". To reach Pacific Transmission Supply Company well location, P.T.S. #4-4 Federal, located in the NW4 SE4 Section 4, T10S, R23E, S.L.B.& M., from Vernal, Utah;

Proceed East out of Vernal, Utah, on U.S. Highway 40 - 24 miles to its junction with Utah State Highway 45 to the South; proceed Southerly along this road 22 miles to Bonanza, Utah; proceed Westerly from Bonanza, on an improved dirt road 4.3 miles to its junction with a road to the Southwest; proceed Southwesterly along this road 7.3 miles to the proposed location site.

The highways mentioned above are bituminous surfaced roads to Bonanza, Utah, at which point the roads are dirt and are constructed of materials acquired during construction of the roads. This material consists of a sandy clay material with some fine gravels.

There is no anticipated construction on any portion of the above described roads. They will meet the necessary standards required to facilitate an orderly flow of traffic during the drilling phase, completion phase, and the production phase of this well at such time that production is established.

The roads that are required for access during the drilling phase, completion phase, and production phase of this well, will be maintained at the standards required by the B.L.M. or other controlling agencies.

2. PLANNED ACCESS ROAD

See Topographic Map "B" and the Location Layout Sheet.

There is no planned access road required for this location site. The existing road described in Item #1 will facilitate the anticipated traffic flow necessary during the drilling, completion, and production phases of this well, if production is established. However, the existing road described in Item #1 will need to be rerouted around the proposed location site as shown on the Location Layout Sheet.

In order to facilitate the anticipated traffic flow necessary to drill and produce this well, the existing road to be re-routed will meet the following standards;

2. PLANNED ACCESS ROAD - Continued

The proposed road will be an 18' crown road (9' either side of the centerline) with drain ditches along either side of the proposed road where it is determined necessary in order to handle any run-off from normal meterological conditions that are prevalent to the area.

Back slopes along the cut areas of the road will be $1\frac{1}{2}$ to 1 slopes and terraced.

There will be one culvert required along this access road. (See Location Layout Sheet for the size and location of this culvert). This culvert will be placed acording to the specifications shown in Figures 2 and 3 on page 23 of the Surface Operating Standards For Oil and Gas Exploration and Development Handbook prepared by the U.S. Department of the Interior Bureau of Land Management.

If, at the onsite inspection, it is decided that a dry creek drainage crossing will facilitate the anticipated run-off, one will be constructed according to the specifications shown in Figure 1 on page 22 of the same handbook mentioned above.

The road will be centerline flagged prior to the commencement of construction.

If deemed necessary by the local governmental agencies or their representatives, turnouts will be installed for safety purposes every 0.25 miles or on the top of ridges that will provide the greatest sight distance. These turnouts will be 200' in length and 12' in width and will be tapered from the shoulder of the road for a distance of 50' in length at both the access and the outlet end.

Any fences that are encountered along this access road will be cut and replaced with a cattleguard with a minimum width of 18' and a loading factor large enough to facilitate the heavy trucks required in the drilling and production of this well.

If cattleguards are to be located at existing gates, they will be installed with the above requirements and with a new gate installed at one end of the cattleguard.

The access from the road to the gate will be of such a nature that there will be no impedance of traffic flow along the main access road and no difficulties encountered by traffic utilizing the gate either leaving or entering the proposed access road.

All lands involved in this action are under B.L.M. jurisdiction.

The terrain that is traversed by this road is generally level and is vegetated with sagebrush and grasses.

3. LOCATION OF EXISTING WELLS

There are no known water wells, abandoned wells, disposal wells, drilling wells, shut in wells, injection wells, monitoring or observation wells for other resources within a one mile radius of this location site.

There are however, three producing wells located within a one mile radius. (See Topographic Map "B" for the location of these wells in relation to the proposed location site.)

4. LOCATION OF EXISTING AND PROPOSED FACILITIES

There are no Pacific Transmission Supply Company tank batteries, production facilities, oil gathering lines, gas gathering lines, injection lines, or disposal lines within a one mile radius of this location site, although there are gas gathering lines and production facilities in the area that are owned by other companies.

In the event that production is established, all petroleum production facilities will be contained within the proposed location site (see Location Layout Sheet). Plans for a flowline from this location to existing lines in the area will be submitted upon completion of the well. Plans will be submitted to the appropriate agencies upon completion of the survey. The areas used for production facilities will be built using bulldozers, graders, and workman crews to lay lines, and set up equipment.

The rehabilitation of the disturbed area that is not required for the production of this well will meet the requirements of Items #7 and #10 and these requirements and standards will be adhered to.

5. LOCATION AND TYPE OF WATER SUPPLY

Water to be used in the drilling of this well will be hauled by truck from the White River near the Mountain Fuel Bridge in Section 17, T9S, R22E, S.L.B.& M. Water will be hauled over existing roads and the proposed access road approximately 15.7 miles to the proposed location site.

In the event this is not a suitable source an alternate source will be decided upon and all concerned agencies will be notified.

There will be no water well drilled at this location site.

6. SOURCE OF CONSTRUCTION MATERIALS

All construction materials for this location site and access road shall be borrow materials accumulated during the construction of the location site and access road. No additional road gravels or pit lining materials from other sources are anticipated at this time, but if they are required the appropriate actions will be taken to acquire them from private sources.

All surface disturbance is on B.L.M. lands.

7. METHODS FOR HANDLING WASTE DISPOSAL

See location layout sheet.

A reserve pit will be constructed.

The reserve pit will be approximately 8' deep and at least one half of this depth shall be below the surface of the existing ground.

One half of the reserve pit will be used as a fresh water storage area during the drilling of this well and the other one half will be used to store non-flammable materials such as cuttings, salts, drilling fluids, chemicals, and produced fluids, etc.

If deemed necessary by the agencies concerned to prevent contamination to surrounding areas, the reserve pits will be lined with a gel.

The pits will have wire and overhead flagging installed if deemed necessary to protect water fowl, wildlife, and domestic animals.

At the onset of drilling, the reserve pit will be feaced on three sides and at the time drilling activities are completed, it will be feaced on the fourth side and allowed to dry completely prior to the time that backfilling and other reclamation activities are attempted.

When the reserve pit dries and reclamation activities commence, the pits will be covered with a minimum of four feet of soil and all requirements in Item #10 will be followed.

All waste materials will be contained in a trash basket made of small mesh wire and will be hauled to the nearest sanitary landfill upon completion of the well.

A portable chemical toilet will be supplied for human waste.

8. ANCILLARY FACILITIES

There are no ancillary facilities planned for at the present time and none foreseen.

9. WELL SITE LAYOUT

See location layout sheet.

The B.L.M. District Manager shall be notified before any construction begins on the proposed location site.

As mentioned in Item #7, the pits will be unlined unless it is determined by the representatives of the agencies involved that the materials are too porous and would cause contamination to the surrounding area. Then the pits will be lined with a gel and any other type material necessary to make it safe and tight.

When drilling activities commence, all work shall proceed in a neat and orderly sequence.

10. PLANS FOR RESTORATION OF SURFACE

As there is some topsoil on the location site, all topsoil shall be stripped and stockpiled. (See Location Layout Sheet) When all drilling and production activities have been completed, the location site and access road will be reshaped to the original contour and stockpiled topsoil spread over the disturbed area.

Any drainages re-routed during construction activities shall be restored to their original line of flow as near as possible. Fences around pits are to be removed upon completion of drilling activities and all waste being contained in the trash pits shall be buried with a minimum of 5' of cover.

As mentioned in Item #7, the reserve pits will be completely fenced and wired and overhead flagging installed if there is oil in the pits, and then allowed to dry completely before covering.

Restoration activities shall begin within 90 days after completion of the well. Once completion activities have begun, they shall be completed within 30 days.

When restoration activities have been completed, the location site and access ramp shall be reseeded with a seed mixture recommended by the B.L.M. District Manager when the moisture content of the soil is adequate for germination. The Lessee further covenants and agrees that all of said cleanup and restoration activities shall be done and performed in a diligent and most workmanlike manner and in strict conformity with the above mentioned Items #7 and #10.

11. OTHER INFORMATION

The Topography of the General Area (See Topographic Map "A").

The area is a basin formed by the Blue Mountain Plateau and Green River to the North and White River and Roan Plateau to the South.

The basin floor is interlaced with numerous canyons and ridges formed by the non-perennial streams of the area. The sides of these canyons are steep and ledges formed in sandstone, conglomerate, and shale deposits are common to the area.

The geologic structures of the area that are visible are of the Uinta Formation (Eocene Epoch) Tertiary Period in the upper elevations and the cobblestone and younger Alluvial deposits from the Quanternary Period.

Outcrops of sandstone ledges, conglomerate deposits and shale are common in the area.

The topsoil in the area ranges from light brownish-gray sandy clay (SM-ML) type soil with poorly graded gravels to clayey (OL) type soil.

The majority of the numerous washes and streams in the area are of a non-perennial nature flowing during the early spring run-off and heavy rain storms of long duration which are extremely rare as the normal annual rainfall in the area is only 8".

The White River to the South of this location is the only perennial stream in the area that is affected by this location site.

Due to the low precipitation average, climatic conditions and the marginal types of soils, the vegetation that is found in the area is common of the semi-arid regions and consists of areas of sagebrush, rabbitbrush, some grasses and cacti as the primary flora. This is also true for the lower elevations.

The fauna of the area consists predominantly of the mule deer, coyotes, pronghorn antelope, rabbits and varieties of small ground squirrels and other types of rodents. The area is used by man for the primary purpose of grazing domestic sheep and cattle.

The birds of the area are raptors, finches, ground sparrows, magpies, crows and jays.

The Topography of the Immediate Area (Topographic Map "B").

P.T.S. #4-4 Federal is located on a relatively flat area approximately 2.5 miles North of the White River.

11. OTHER INFORMATION - Continued

The majority of the drainages in the area around this location are non-perennial drainages and drain in a Southerly direction into the White River.

The terrain in the vicinity of the proposed location site is predominantly sagebrush and grasses. There are no occupied dwellings or other facilities of this nature in the general area. There are no visible archaeological, historical, or cultural sites within any reasonable proximity of the proposed location site.

12. LESSEE'S OR OPERATOR'S REPRESENTATIVE

R.J. Firth 80 South 1500 East Vernal, Utah 84078

Telephone: 789-4573

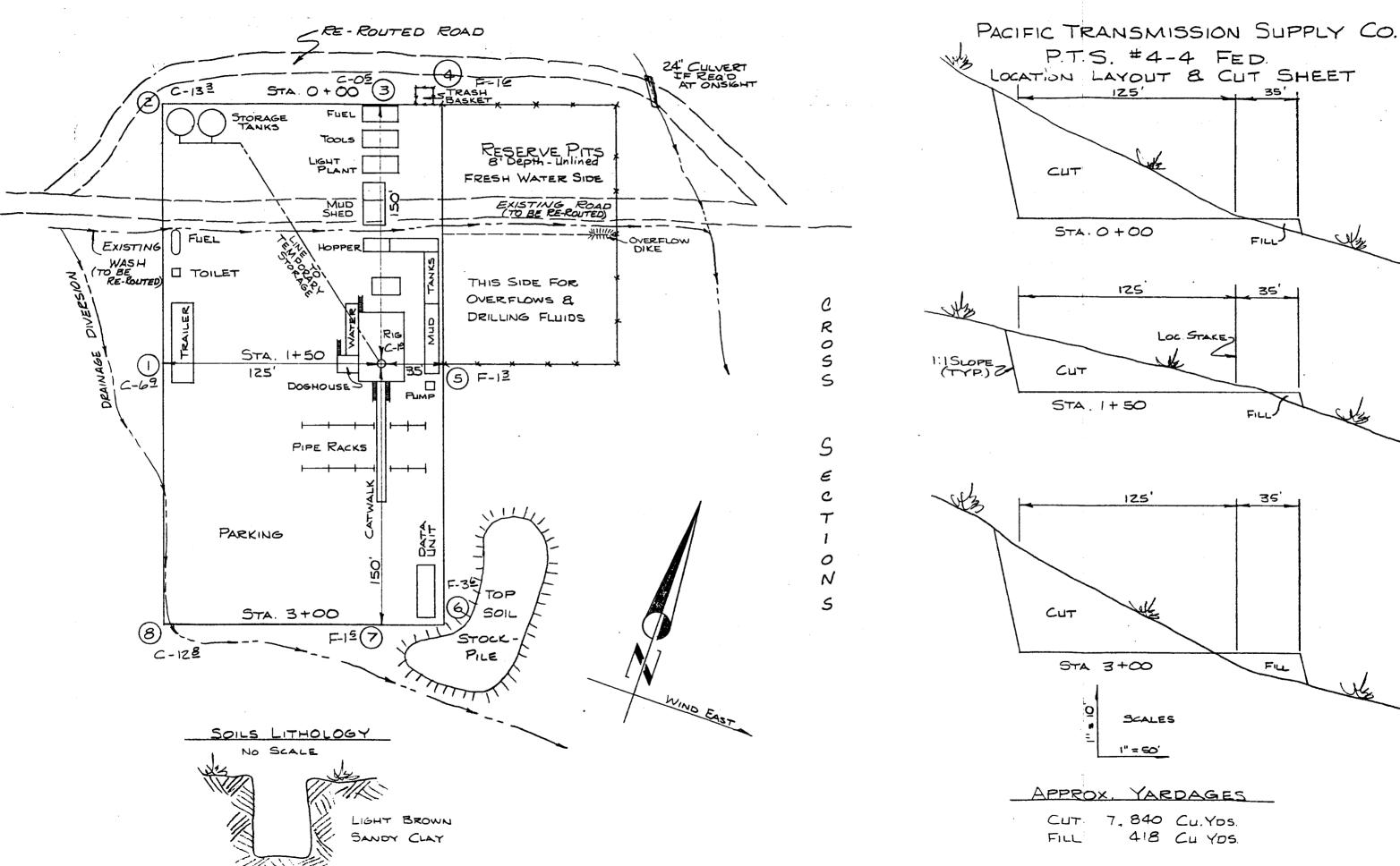
13. CERTIFICATION

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; that the work associated with the operations proposed herein will be performed by Pacific Transmission Supply Company and its contractors and sub-contractors in conformity with this plan and terms and conditions under which it is approved.

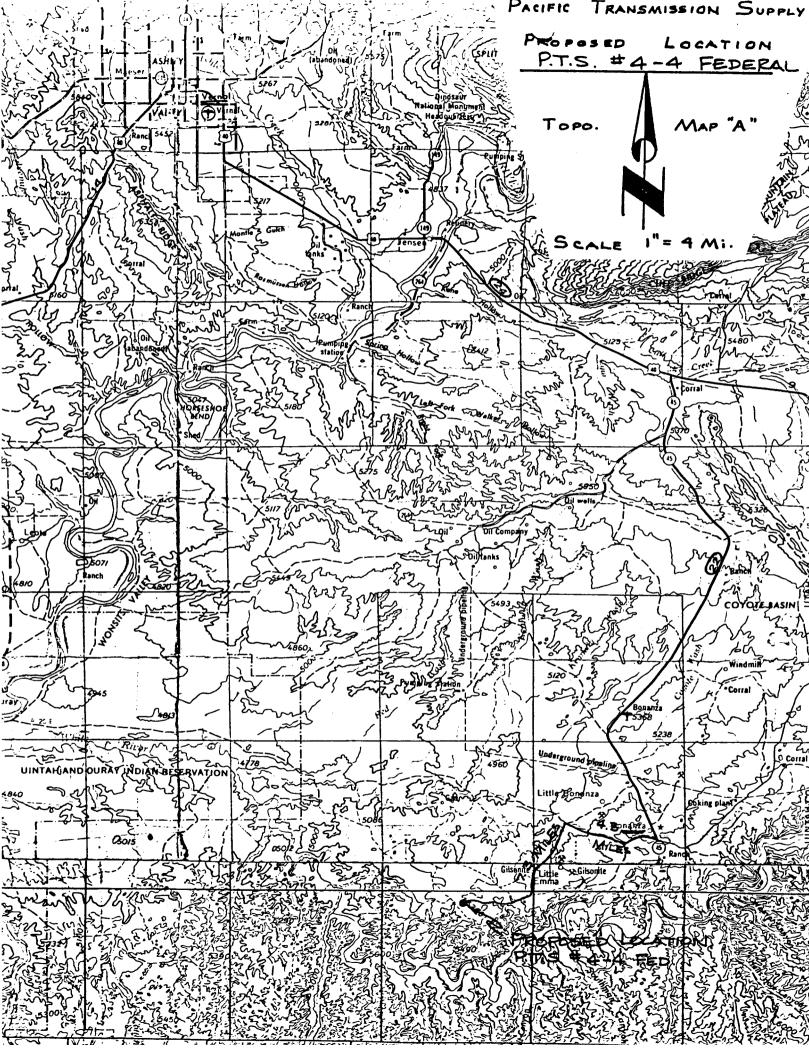
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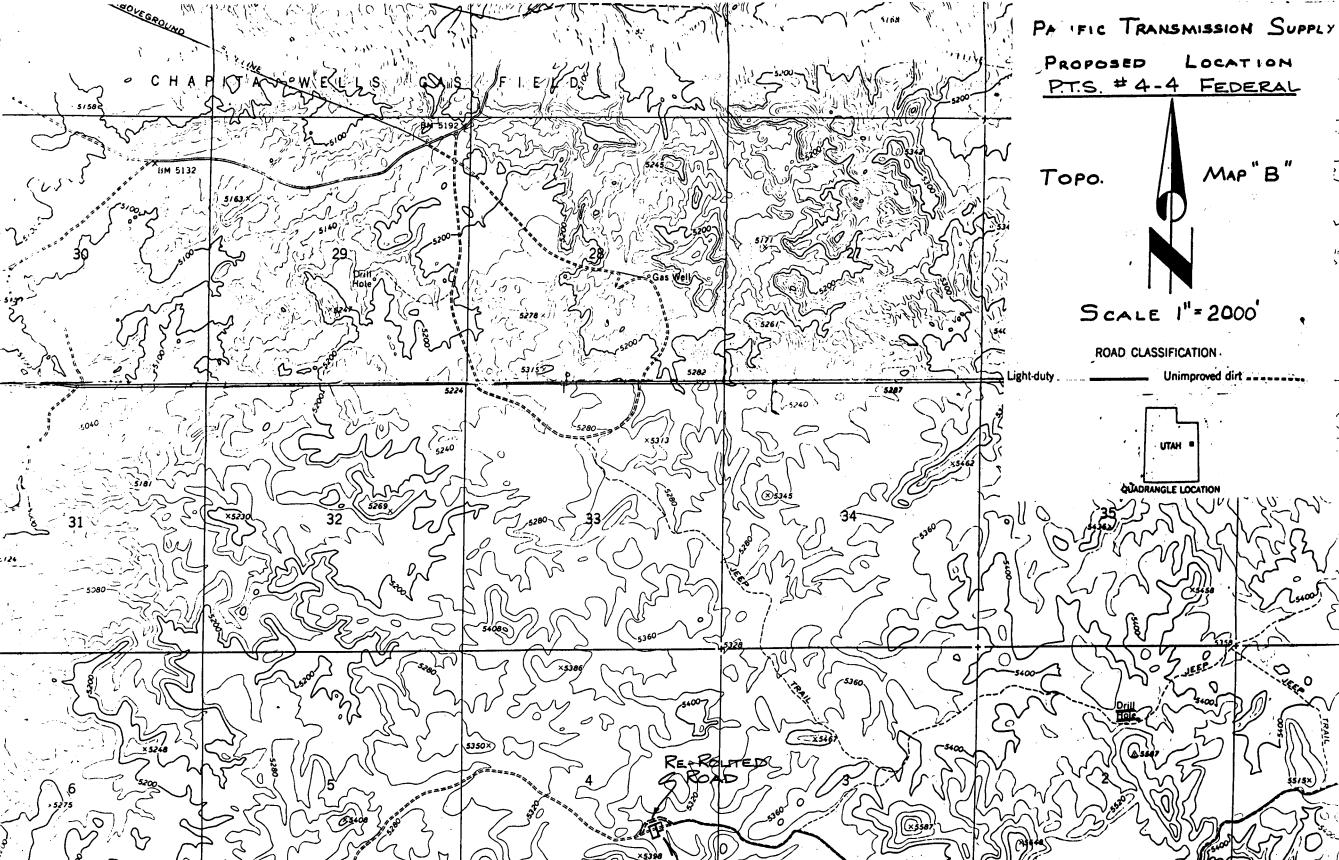
Date

Petroleum Engineer



P.T.S. #4-4 FED. LOCATION LAYOUT & CUT SHEET 35' 35' File







23.

| UNITED STA | | reverse side) | | |
|---|------------------------------|---------------|--|----------------|
| DEPARTMENT OF TH | IE INTERIOR | ſ | 5. LEASE DESIGNATION | AND SERIAL NO. |
| GEOLOGICAL SL | JRVEY | PLICATI | U33433 | |
| APPLICATION FOR PERMIT TO DRIL | L, DEEPEN, OR PL | UG BACK! | 6. IF INDIAN, ALLOTTEE | OR TRIBE NAME |
| 1a. TYPE OF WORK | | G BACK 🗆 | 7. UNIT AGREEMENT N | AME |
| OIL CAS WELL OTHER | BINGLE ZONE | MULTIPLE ZONE | S. FARM OR LEASE NAM | (E |
| 2. NAME OF OPERATOR | | | <u>Federal</u> | |
| Pacific Transmission Supply Company | | | 9. WELL NO. | |
| 3. ADDRESS OF OPERATOR | | | 4-4 | |
| P.O. Box 3093, Casper, Wyo. 82602 | | | 10. FIELD AND POOL, O | WILDCAT |
| 4. LOCATION OF WELL (Report location clearly and in accordance | ce with any State requiremen | ts.*) | | |
| 1613' from south line, 1329' from e | | | 11. SEC., T., R., M., OR S AND SURVEY OR AR | |
| At proposed prod. zone NW 1/4 SE 1/4, Secti Uintah County, U | | , S.L.B.&M. | Section 4, 7 | |
| 14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OF | E POST OFFICE® | | 12. COUNTY OR PARISE | |
| 58 miles southeast of Vernal, Utah | • | | Uintah | Utah |
| 10. DISTANCE FROM PROPUSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any) | 16. NO. OF ACRES IN 1 | | FACRES ASSIGNED | |
| 18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. | 19. PROPOSED DEPTH 8800 1 | | tary | |
| 21. ELEVATIONS (Show whether DF, RT, GR, etc.) | | | 22. APPROX. DATE WO | EK WILL START |
| 5316' Ungraded ground, 5330' KB e | estimated | | Upon rece | ipt of appro |

PROPOSED CASING AND CEMENTING PROGRAM QUANTITY OF CEMENT WEIGHT PER FOOT SETTING DEPTH BIZE OF CABING RIZE OF HOLE 200 250 sacks, Circ. to surface T3-378" 48.0 17-172' 12-1/4" 9-5/8" 36.0 2500 275 sacks.(1) 7-7/8" 8800 2) As necessary to protect all pro-11.6

ductive intervals. - 200' above approved hydrocarban

Operator proposes to drill well to approximately 8800' to test the Mesaverde formation. 9-5/8", 36.0#, K-55 intermediate casing will be run and cemented to protect the oil shale section of the Green River formation. All water flows and significant hydrocarbon shows will be evaluated and reported. The well will be operated according to the attached well program and all applicable regulations. Adequate BOP equipment will be maintained at all times as indicated in the attached Pressure Control Specifications. If commercial production is encountered, 4-1/2", 11.6#, N-80 production casing will be run and cemented to adequately protect all potentially productive intervals. No abnormal pressures or temperatures or other potential hazards are anticipated.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: Il proposal is to deepen or plug back, give data on present productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any

Petroleum Engineer

DATE Sept. 24, 1979

(This space for Federal or State office use)

APPROVAL DATE

DISTRICT ENGINEE

FEB 08 1980

CONDITIONS OF APPROVAL, IF ANY:

attached

3-USGS, SLC, UT; 1-Div. of OG&M, SLC, UT; 1-JLWroble; 1-ERHenry; 1-EEMulholland; 1-File

NOTICE OF APPROVAL

*See Instructions On Reverse Side

OIL, GAS & MINING OR VENTING OF GAS IS SUBJECT TO NTL 4-A DATED 1/1/80

CONDITIONS OF APPROVAL ATTACHED

T 10 S, R 23 E, S.L.B.&M.

| S 89° | S 89° 59' E | | | | | | |
|-------------------------------------|--|--|--|--|--|--|--|
| Lot 4 Lot 3 | Lot 2 Lot 1 | | | | | | |
| | | | | | | | |
| × 00 08 .3 | 35. | | | | | | |
| P.T.S. # 4 | | | | | | | |
| Elev. Ungrade | 1329' 5316' | | | | | | |
| FEB 21 1980 FEB 21 1980 FEB 21 1980 | 1613' (Computed) | | | | | | |
| 80 N 89° | 08 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | | | | | | |

X = Section Corners Located

PROJECT

PACIFIC TRANSMISSION SUPPLY COMPANY

Well location, P.T.S. # 4-4 Fed.
located as shown in the NW I/4 SE I/4
Section 4, TIOS, R 23 E, S.L.B.& M.
Uintah County, Utah



THE STY CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FECT WOTES OF ACTUAL SURVEYS WADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST IF MY PHUMLEDGE AND BELIEF

REGISTERED LAND SURVEYOR REGISTRATION Nº 3154

UINTAH ENGINEERING & LAND SURVEYING
P.O. BOX Q - 110 EAST - FIRST SOUTH
VERNAL, UTAH - 84078

| SCALE 1" = 1000' | | DATE 9 - 20 - 79 | | |
|---------------------|--------|----------------------------|--|--|
| PARTY G.S. J.S. | B.F.W. | REFERENCES G. L.O. Plat | | |
| WEATHER | | FILE | | |

CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

| Company | Pacific Transmission Supply Sompany | Well N | lo. ; | 4-4 |
|----------|-------------------------------------|--------|-------|---------|
| Location | Section 4-T10S-R23E | Lease | No. | U-33433 |

A COPY OF THESE CONDITIONS SHOULD BE FURNISHED YOUR FIELD REPRESENTATIVE TO INSURE COMPLIANCE

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (30 CFR 221), and the approved plan of operations. The operator is considered fully responsible for the actions of his subcontractors. The following items are emphasized:

- 1. There shall be no deviation from the proposed drilling and/or workover program as approved. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 30 CFR 221.22. Any changes in operations must have prior approval of this office. Pressure tests are required before drilling out from under all casing strings set and cemented in place. Blowout preventer controls must be installed prior to drilling the surface casing plug and will remain in use until the well is completed or abandoned. Preventers will be inspected and operated at least daily to insure good mechanical working order, and this inspection recorded on the daily drilling report. Preventers will be pressure tested before drilling casing cement plugs. All BOP pressure tests must be recorded on the daily drilling report.
- 2. All shows of fresh water and minerals will be reported and protected. A sample will be taken of any water flows and furnished this office for analysis. All oil and gas shows will be adequately tested for commercial possibilities, reported, and protected.
- 3. No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of this office. If operations are to be suspended for more than 30 days, prior approval of this office must be obtained and notification given before resumption of operations.

In the event abandonment of the hole is desired, an oral request may be granted by this office but must be timely followed within 15 days with a "Notice of Intention to Abandon" (Form 9-331). Unless the plugging is to take place immediately upon receipt of oral approval, the District Engineer must be notified at least 48 hours in advance of the plugging of the well, in order that a representative may witness plugging operation. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form 9-331) must be submitted within 15 days after the actual plugging of the well bore, reporting where the plugs were placed, and the current status of the surface restoration. If surface restoration has not been completed at that time, a

follow-up report on form 9-331 should be filed when all surface restoration work has been completed and the location is considered ready for final inspection.

4. The spud date will be reported orally to the District Engineer within 48 hours after spudding. If the spudding occurs on a weekend or holiday, wait until the following regular workday to make this report.

Periodic drilling progress reports must be filed directly with the District Engineer's office on a frequency and form or method as may be acceptable to the District Engineer.

In accordance with NTL-1, this well must be reported on Form 9-329 "Monthly Report of Operations," starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report should be filed in duplicate directly with the U.S. Geological Survey Area Office, P.O. Box 2859, Casper, Wyoming 82602.

Any change in the program must be approved by the District Engineer. "Sundry Notices and Reports on Wells" (form 9-331) must be filed for all changes of plans and other operations in accordance with 30 CFR 221.58. Emergency approval may be obtained orally, but such approval does not waive the written report requirement. Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground will require the filing of a suitable plan pursuant to NTL-6 and prior approval by the District Engineer.

- 5. Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (form 9-330) will be submitted not later than 15 days after completion of the well or after completion of operations being performed, in accordance with 30 copies of all logs run, core descriptions, core analyses, well-test data, geologic summaries, sample descriptions, and all other surveys or data obtained and compiled during the drilling, workover, operations, will be filed with form 9-330. Samples (cuttings, fluid, and/or gas) will be submitted only when requested by
- 6. Significant surface values (are) (are not) involved at this location. Accordingly, you (must) (need not) notify this office and the Surface Management Agency at least 24 hours prior to commencing field operations to allow this office and/or the Surface Management Agency office to have personnel present for consultation during the construction of roads and locations.

| The Surface Management Agency contact is | : Ron Rogers |
|--|--------------|
| The Surface Management Agency contact is Office Phone: 789-1362, | Home Phone: |
| City: Vernal, | State: Utan |

| The o.s. debiogical salvey biseries of | Tide adal coo and contracts and |
|--|--|
| Address: 2000 Administration Building, | 1745 West 1700 South, S.L.C., UT 84104 |
| Office Phone (801) 524-4590 | |
| District Engineer F W Guynn | Home Phone: 582-7042 |

Goological Survey District Office address and contacts are:

District Engineer E. W. Guynn Home Phone: 582-7042
Asst. Dist. Engineer W. P. Martens Home Phone: 466-2780
Asst. Dist. Engineer R. A. Henricks Home Phone: 484-2294

Unless otherwise specified herein, construction and maintenance of surface facilities approved under this plan shall be in accordance with the guidelines set forth in the BLM/FS/GS Oil and Gas Brochure entitled, "Surface Operating Standards for Oil and Gas Exploration and Development." This includes but is not limited to such items as road construction and maintenance, handling of top soil, and rehabilitation.

- 8. If a replacement rig is contemplated for completion operations, a "Sundry Notice" to that effect must be filed for prior approval of the District Engineer, and all conditions of this approved plan are applicable during all operations conducted with the replacement rig.
- 9. Pursuant to NTL-2B requirements regarding disposal facilities for new wells, this is authorization for unlined pit disposal of the water produced from this well for a period of 90 days from the date of initial production for sales purposes. During this period, an application for approval of the permanent disposal method, along with the required water analysis and other information must be submitted for the District Engineer's approval. Failure to timely file an application within the time allowed will be considered an incident of noncompliance, and will be grounds for issuing a shut-in order until the application is submitted.
- 10. This application is valid for a period of one year from the date of approval. No extensions will be considered. If the application terminates, any surface disturbance created under the application must be rehabilitated in accordance with the approved plan. After termination, future operations will require a new application be filed for approval.

| 11. | If a tank | battery | is cor | structed | on | this | lease, | , it must | : be | surround | ded by a |
|-----|------------|----------|--------|----------|----|-------|--------|-----------|------|----------|----------|
| | fire wall | of suffi | cient | capacity | to | adequ | ately | contain | the | storage | capacity |
| | of the bat | ttery. | | | | | | | | | |

| 12. | |
|-----|--|
| | |
| | |

SUPPLEMENTAL STIPULATIONS OF APPROVAL CONTINUED

Pacific Transmission Supply Well No. 4-4 Sec. 4-10S-23E Uintah County, Utah Lease No. U-33433

Supplemental Stipulations:

- 1. Construction and maintenance of roads, rehabilitation of disturbed areas, and construction of pipeline routes, will be in accordance with surface use standards as set forth in the brochure, "Surface Operating Standards for Oil and Gas Exploration Development".
- 2. Topsoil will be stockpiled as addressed in the applicant's 13 Point Plan. The top 6 to 8 inches of soil materials will be stockpiled at the site.
- 3. The BLM must be contacted at least 24 hours prior to any rehabilitation activities. The operator may be informed of any additional needed seeding and restoration requirements.
- 4. A burn pit will not be constructed. There will be no burning or burying of trash or garbage at the well site. Refuse must be contained and hauled to an approved disposal site.
- 5. A wire mesh or web type fence will be used around the reserve pit. The Northeast corner of the reserve pit will be rounded off, to allow the proposed access road to use the existing low water crossing before being rerouted around the pad.
- 6. A berm will be built around the South and West sides of the pad to alleviate drainage problems.
- 7. Adequate and sufficient electric/radioactive logs will be run to locate and identify the prime oil shale horizons in the mahogany zone of the Green River formation. Cementing program for the 9-5/8" intermediate casing will require circulation of cement to the surface to adequately protect the Green River oil shale section and "Birds Nest" aguifer.

General Cementing Program, Uinta Basin

Two aquifers have been identified in the southeastern Uinta Basin. The Birds Nest aquifer occurs above the Mahogany Zone and is usually associated with the Horsebench sandstone. The aquifer occurs about 400 feet above the Mahogany Zone and the thickness averages about 100 feet near the Federal Oil-Shale Tracts Ua and Ub. The aquifer probably thins toward the northwest and may be less than 50 feet thick in the Natural Buttes area. If the aquifer exists west of Bitter Creek, it is probably less than 200 feet above the Mahogany Zone. Total dissolved solids in water samples range from about 2,000 mg/L to over 4,000 mg/L.

The Douglas Creek aquifer occurs below the Mahogany Zone and is associated with the limestones and sandstones in the Douglas Creek Member of the Green River Formation and the Renegade Tongue of the Wasatch Formation. The aquifer occurs about 400 feet below the Mahogany and the thickness averages about 800 feet near the Federal Oil-Shale Tracts Ua and Ub. In Willow Creek the aquifer is less than 100 feet below the Mahogany Zone. Total dissolved solids in water samples range from about 500 mg/L to 1,000 mg/L. Saline water occurs in the lower part of the Douglas Creek Member or in tongues of the Wasatch Formation which underlie the Douglas Creek aquifer.

A general cementing program to protect both aquifers from contamination from saline waters is outlined below. This generalized program applies to the southeastern Uinta Basin, but may also apply to the southwestern and central Uinta Basin if the aquifers are identified during drilling. Some fresh water may occur in the Uinta Formation but information is not available to evaluate this possibility.

In the diagram below the first cement plug prevents water from leaking upward from the Birds Nest aquifer to the overlying Uinta Formation. The second plug prevents water in the Douglas Creek aquifer from invading the Birds Nest aquifer or vice versa (?) depending on head distributions. The third plug prevents saline water in the underlying formations from leaking into the Douglas Creek aquifer. Lost circulation problems could be encountered in the Birds Nest aquifer and it is probably not feasible to attempt to plug the aquifer itself. Fracturing has been identified in most of the rocks in the area and care should be taken when implementing abandonment procedures. Each case should be treated independently to avoid any leakage through or around plugs.

Prepared by Walter Holmes, WRD, SLC January 15, 1980

Operator - Attchmt.

GENERAL GROUND WATER PROTECTION PROGRAM- UINTA BASIN

ement plugs

Stratigraphic Unit

Resistivity Log

Generalized

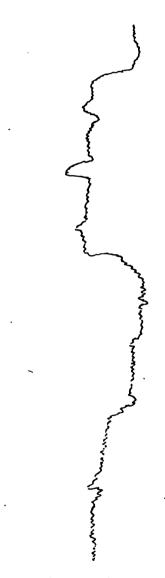
Uinta Formation

Birds Nest aquifer and top of Green River Formation

Mahogeny Oil Shale

Douglas Creek aquifer

Lower Douglas Creek Member or upper Wasatch Formation



increasing resistivity ->

DESIGNATION OF OPERATOR

The undersigned is, on the records of the Bureau of Land Management, holder of lease

DISTRICT LAND OFFICE; SERIAL NO .:

<u>Salt Lake</u> City, Utah

and hereby designates --

NAME:

Pacific Transmission Supply Company

ADDRESS:

245 Market Street

San Francisco, California 94105

as his operator and local agent, with full authority to act in his behalf in complying with the terms of the lease and regulations applicable thereto and on whom the supervisor or his representative may serve written or oral instructions in securing compliance with the Operating Regulations with respect to (describe acreage to which this designation is applicable):

Township 10 South, Range 23 East, SLM

Section 4:

Lots 1-4, S12N12, N12SW14, SE14 Section 5:

Containing 1204.92 Acres, m/1

Uintah County, Utah

It is understood that this designation of operator does not relieve the lessee of responsibility for compliance with the terms of the lease and the Operating Regulations. It is also understood that this designation of operator does not constitute an assignment of any interest in the lease.

In case of default on the part of the designated operator, the lessee will make full and prompt compliance with all regulations, lease terms, or orders of the Secretary of the Interior or his representative.

The lessee agrees promptly to notify the supervisor of any change in the designated operator.

Specator

(Submit in Triplicate)

Rule 30, C.F.R. 221.20 requires well shall not be drilled closer than 200 ft. from the lease boundary or 200 ft. from any legal subdivision without adequate reasons or consent.

District Oil and Gas Engineer U. S. Geological Survey Conservation Division 8440 Federal Building Salt Lake City, Utah 84738

Re: Stipulation

Dear Sir:

| ENSERCH EXPLORATION, INC. is the owner of U. S. Oil and Gas Lease U-33433 , and proposes to drill a well on the leased |
|--|
| SE 1/4 , Section 4 , Township 10 South Range 23 Fact |
| Meridian, Uintah County, State of Utah 1613' from South line and 1329' from East line of Section 4 |

Section 221.20 of the Federal Oil and Gas Regulations requires that no well be drilled less than 200' from the boundary of any legal subdivision without the written consent of the Supervisor, United States Geological Survey. The proposed location is approximately 9 feet from the boundary lines of the NW 1/4 SE 1/4 of Section 4, but is considered to be necessary because of an order issued by the Board of Oil, Gas and Mining, State of Utah, dated 10-24-78 and identified as Cause No. 179-1 requires that wells be located at or near the center of the SE 1/4 or NW 1/4 of each section within the subject spaced area.

Therefore, ENSERCH EXPLORATION, INC., Lessee, requests the consent of the Supervisor to the drilling of the proposed well at the above-described location. In consideration of such consent, ENSERCH EXPLORATION, INC., Lessee, hereby expressly covenants and agrees that it will sell no separate assignments of the NW 1/4 SE 1/4 and the NE 1/4 SE 1/4, Section 4, Township 10 South, Range 23 East, Meridian, and that it will keep the two described subdivisions under joint assignment until the above-mentioned well has been plugged and abandoned with the approval of the Supervisor.

Very truly yours,

ENSERCH EXPLORATION, INC.

G. T. Abell

Senior Land Representative

GTA/nks

cc: Mr. Kent Davis
Pacific Transmission
Supply Company

Submit in Triplicate .

Rule 30 CFR 221.20 requires well shall not be drilled closer than 200 ft. from the lease boundary or 200 ft. from any legal sub-division without adequate reasons or consent.

District Oil and Gas Engineer U. S. Geological Survey Conservation Division 8440 Federal Building Salt Lake City, Utah 84138

Re: Stipulation

Dear Sir:

| PACIFIC TRANSMISSION SUPPLY COMPANY is the owner of U. S. Oil and |
|---|
| Gas Lease U33433 , and proposes to drill a well on the leased premises to test for oil and gas at a location in the |
| on the leased premises to test for oil and gas at a location in the |
| NW4 SE4 Section 4, T. 10S, R. 23E, SLB&M Mer., |
| Uintah County, State of Utah , 1613' |
| from South line and 1329' from East line of |
| Section 4 |
| |
| Section 221.20 of the Federal Oil and Gas Regulations requires that |
| no well be drilled less than 200' from the boundary of any legal |
| subdivision without the written consent of the Supervisor, United |
| States Geological Survey. The proposed location is approximately |
| 9 feet from the East boundary line of the NW 1/2 SE 1/4 of Section 4, but is considered to be |
| $\frac{1}{1}$ SE $\frac{1}{4}$ of Section $\frac{4}{1}$, but is considered to be |
| necessary because of an order issued by the Board of Oil, Gas and Mining |
| State of Utah, dated 10-24-78 and identified as Cause No. 179-1 requires |
| that wells be located at or near the center of the SE% or NW% of each |
| section within the subject spaced area. |
| The process of the contract of the con- |
| Therefore, Pacific Transmission Supply Co., Lessee, requests the con- |
| sent of the Supervisor to the drilling of the proposed well at the |
| above-described location. In consideration of such consent, PTS |
| , lessee, hereby expressly covenants and agrees |
| that he will make no separate assignments of the NW 1/2 SE 1/4 and |
| the NE ½ SE ¼, Section 4 , T. 10S , R. 23E , |
| Mer., and that he will keep the two described subdivisions |
| under joint assignment until the above-mentioned well has been plugged and abandoned with the approval of the Supervisor. |
| and abandoned with the approval of the Supervisor. |

Very truly yours,

EE mulholle_C

E. E. MULHOLLAND Operations Engineer

PACIFIC TRANSMISSION SUPPLY COMPANY Natural Gas Corporation of California

85 South 200 East Vernal, Utah 84078 (801) 789-4573

March 5, 1980

Mr. E. W. Guynn (3) GEOLOGICAL SURVEY-CONSERVATION DIV. 2000 Administration Bldg. 1745 West 1700 South Salt Lake City, UT 84104

Mr. Frank M. Hamner (1)
DIVISION OF OIL, GAS & MINING
1588 West North Temple
Salt Lake City, UT 84116

Mr. J. Milton Wege (1) RALPH E. DAVIS & ASSOCIATES 500 Jefferson, Suite 2031 Houston, TX 77002

Mr. R. W. Sharp (1) ENSERCH EXPLORATION, INC. Metrobank Bldg., Suite 1322 Denver, CO 80202

Re: PTS #4-4 Federal NW SE Section 4, T10S, R23E Uintah County, UT

Gentlemen:

Enclosed are your required number of copies of Form 9-331, Sundry Notices and Reports on Wells, Request for Approval to Alter Casing Setting Depth dated March 5, 1980 for the above referenced well.

Very truly yours,

Petroleum Engineer

RJF/kh Encls.

cc: J. L. Wroble

E. R. Henry

E. E. Mulholland

C. T. Clark (Cover Letter Only)

MAR 7 1980

DIVISION OF OIL, GAS & Mineral

UNITED STATES

| UNITED STATES DEPARTMENT OF THE INTERIOR | 5. LEASE U-33433 |
|--|--|
| GEOLOGICAL SURVEY | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME |
| SUNDRY NOTICES AND REPORTS ON WELLS | 7. UNIT AGREEMENT NAME |
| (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.) | 8. FARM OR LEASE NAME Federal |
| 1. Oil gas well other 2. NAME OF OPERATOR | 9. WELL NO. 4-4 |
| Pacific Transmission Supply Company | 10. FIELD OR WILDCAT NAME |
| 3. ADDRESS OF OPERATOR P.O. Box 3093, Casper, WY 82602 4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 | 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA |
| below.) | Section 4, T10S, R23E 12. COUNTY OR PARISH 13. STATE |
| AT SURFACE: 1613' FSL, 1329' FEL, NW SE, AT TOP PROD. INTERVAL: Section 4, T10S, R23E AT TOTAL DEPTH: | Uintah Utah |
| 16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, | 14. API NO. |
| REPORT, OR OTHER DATA | 15. ELEVATIONS (SHOW DF, KDB, AND WD) 5328 KDB |
| REQUEST FOR APPROVAL TO: SUBSEQUENT REPORT OF: TEST WATER SHUT-OFF | (NOTE: Report results of multiple completion or zone change on Form 9–330.) |
| 17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state including estimated date of starting any proposed work. If well is d measured and true vertical depths for all markers and zones pertinent | irectionally drilled, give subsurface locations and |
| Application for Permit to Drill approved Feldepth of 9-5/8" casing at 2500%. Operator setting depth to 2800%. By increasing the cement program, the need for stage cement be eliminated and the necessary zone protect aquifer will be obtained. APPROVED BY THE DIVISION OF OIL, GAS, AND MINING | proposes to change 9-5/8" casing casing setting depth and adjusting nting the production casing will |
| DATE: 3/11/80 BY: May Whinder | MAR 7 1980 |
| | SDIVISION OF F |

| Subsurface Safety Valve: Manu. and Type 18. I hereby county that the safegoing is | | OIE, G | AS & MINING |
|--|--|--------------|-------------|
| | TITLE Petroleum Engineer DA | ATE March 5, | 1980 |
| | (This space for Federal or State office use) | | |
| APPROVED BY | TITLE I | DATE | |

DIVISION OF OIL, GAS AND MINING

cc: USGS

SPUDDING INFORMATION

| NAME OF COMPANY: Pacific T | ransmission Supp | oly Company | | |
|----------------------------------|------------------|----------------------|--------------|---|
| WELL NAME: Federal #4-4 | | | | · |
| SECTION 4 NW SE TOWNSHIP 10S | RANGE2: | SE COUNTY | Uintah | |
| DRILLING CONTRACTOR Ross Drill | ling | | | |
| RIG # 1 | | | • | |
| SPUDDED: DATE 3/20/80 | | | | |
| TIME 3:00 p.m. | | | | |
| How dry hole spudder | | | | * |
| DRILLING WILL COMMENCE presently | 11 | | | |
| | | | | |
| REPORTED BY Ron Firth | | : : | | ; |
| TELEPHONE # | | | | |
| | | | | |
| | | | | |
| e≱. | | | | |
| DATE March 26, 1980 | SIGNED_ | Original Signed By N | A. T. Minder | · |

| Form 9-331 (May 1963) | UNIT STATES | SUBMIT IN TRIPLIC | | eau No. 42-R1424. |
|---|---|---|--|---------------------|
| DEPAR | TMENT OF THE INTERI | OK verse side) | 5. LEASE DESIGNATION | N AND BERIAL NO. |
| | GEOLOGICAL SURVEY | | U-33433 6. IF INDIAN, ALLOTT | EE OR TRIBE NAME |
| SUNDRY NC (Do not use this form for pro Use "APPLE" | OTICES AND REPORTS (posals to drill or to deepen or plug b iCATION FOR PERMIT—" for such p | ON WELLS back to a different reservoir. roposals.) | | |
| 1. | | <u> </u> | 7. UNIT AGREEMENT > | IAMB |
| WELL GAS X OTHER | | | S. FARM OR LEASE NA | WE |
| 2. NAME OF OPERATOR Pacific Transmission | Supply Company | | Federal | |
| 3. ADDRESS OF OPERATOR P.O. Box 3093, Caspe | r WY 82602 | 1 | 4-4 | |
| 4. LOCATION OF WELL (Report location | n clearly and in accordance with any | State requirements.* | 10. FIELD AND POOL, | OR WILDCAT |
| See also space 17 below.) At surface 1613' FSL, 1329' FEL | , NW SE, Section 4, T | 10S, R23E | 11. SEC., T., R., M., OR SURVEY OR ARE | ! ▲ ' |
| | (OL LA) | | Section 4, | TIOS, R23E |
| 14. PERMIT NO. | 15. ELEVATIONS (Show whether DE 5328 KDB | r, RT, GR, etc.) | Uintah | Utah |
| 16. Chack | Appropriate Box To Indicate N | Jature of Notice Report, or | Other Data | : |
| NOTICE OF IN | | | EQUENT REPORT OF: | |
| | · - | WATER SHUT-OFF | REPAIRING | WELL |
| TEST WATER SHUT-OFF | PULL OR ALTER CASING MULTIPLE COMPLETE | FRACTURE TREATMENT | ALTERING | |
| SHOOT OR ACIDIZE | ABANDON® | SHOOTING OR ACIDIZING | ABANDONM | ENT* |
| REPAIR WELL | CHANGE PLANS | (Other) Spudding | Uperations Output Ou | A Well |
| (Other) | | Completion or Reco | mpletion Report and Log 1 | Orm.) |
| 17. DESCRIBE PROPOSED OR COMPLETED proposed work. If well is dire nent to this work.) * | OPERATIONS (Clearly state all pertinent actionally drilled, give subsurface loca | it details, and give pertinent dat tions and measured and true ver | tical depths for all marke | rs and zones perti- |
| United States Geolog 17-1/2" surface hole 208' KBM and cemente | face hole on March 20, gical Survey, Salt Lake e to 208". Ran 6 jts. ed with 250 sacks Class 26, 1980. Waiting on | e City, Utah on Marc 13-3/8", 48.0#, H40 s G cement. Cement | ch 26, 1980. Di Disurface casing circulated to s | rilled j to |
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| 18. I hereby certify that the foregoin | | | <u> </u> | |
| SIGNED BY: R JEFIET | TITLE Pe | troleum Engineer | DATE Apr | il 3, 1980 |
| (This space for Federal or State | office use) | | | |
| frum shace for rederm or pigge | : | | ~ . ~ - | |
| APPROVED BY | F ANY: | | DATE | |
| cc: Div. of Oil, G | as & Mining; Ralph E. | Davis & Assoc.; Ens | erch Explo.; J. | L.Wroble; |
| E.R. Henry; E. | E.Mulholland | B 6-1 | | |

*See Instructions on Reverse Side

| | en e | |
|---|---|--|
| Form 9-331 (May 1963) | UNID STATES SUBMIT IN TRIPLOCATES O(Other instructions on re- DEPARTMENT OF THE INTERIOR verse side) | Form approved. Budget Bureau No. 42-R1424 5. LEASE DESIGNATION AND SERIAL NO. |
| • | GEOLOGICAL SURVEY | U-33433 |
| (Do not use t | JNDRY NOTICES AND REPORTS ON WELLS this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.) | 6. IF INDIAN, ALLOTTER OR TRIBE NAME |
| OIL GAS WELL WEL | L X OTHER | 7. UNIT AGREEMENT NAME |
| 2. NAME OF OPERATO | | 8. FARM OR LEASE NAME |
| | Transmission Supply Company | Federal |
| S. ADDRESS OF OPERA | | 4-4 |
| P.U. BOX 4. LOCATION OF WELL See also space 17 At surface | 3093, Casper, WY 82602 (Report location clearly and in accordance with any State requirements.* | 10. FIELD AND POOL, OR WILDCAT |
| | L, 1329' FEL, NW SE, Section 4, T10S, R23E | 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA |
| | | Section 4, T10S, R23E |
| 14. PERMIT NO. | 15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5328 KDB | 12. COUNTY OR PARISH 18. STATE Uintah Utah |
| 16. | Check Appropriate Box To Indicate Nature of Notice, Report, or C | other Data ENT REPORT OF: |
| TEST WATER SHU FRACTURE TREAT SHOOT OR ACIDIZ REPAIR WELL (Other) | MULTIPLE COMPLETE ABANDON* CHANGE PLANS MULTIPLE COMPLETE SHOOTING OR ACIDIZING Other) ONTE: Report results Completion or Recompletion | of multiple completion on Well etion Report and Log form.) |
| nent to this wor | OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, If well is directionally drilled, give subsurface locations and measured and true vertically.)* thru April 6, 1980: | including estimated date of starting an I depths for all markers and sones pert |
| Rig up reinstalled | otary drilling rig and equipment. Cut off 13-3/8" sud casing flange and BOP equipment. Pressure tested B cement and casing shoe. Drilled out below 13-3/8" support 4, 1980. Drilled 12-1/4" hole 207" - 1532'. D423', 3/4° at 701', 1-1/4° at 987', 1-1/4° at 1140' a | or equipment. rface casing at because the contract of the cont |
| | | |
| | | APR 0 9 1980 |
| | | DIVIDION |

| 2 | | DIVIS DIL, GAS | ION OF 8 & MINII | | |
|--|----------------------------------|-------------------|---------------------|-------------|-------------|
| 18. I hereby certify that the foregoing is true and correct SIGNED | TITLE Petroleum Engineer | DATE | April | 7.] | 1980 |
| (This space for Federal or State office use) | | | | | |
| APPROVED BY | TITLE | DATE | | :_ | |
| CONDITIONS OF APPROVAL, IF ANY: | l-JLWroble; l-ERHenry; l-EEMulho | olland; | 1-Ral | ph E | . Davis |

| orm 9-331 | UN | ₩ D STATES | | SUBMIT IN TRIPLIC | ATE• | Form approve Budget Burea | u No. 42-R1424. |
|--|--|--|--------------|--|--|---|--|
| May 1963) * | DEPARTMEN | T OF THE IN | NTERIOF | (Other instructions of verse side) | 5. LE | ASE DESIGNATION | AND BERIAL NO. |
| | GEOL | OGICAL SURV | /EY | | 1 - | -33433 | OR STATE WAYE |
| SUN (Do not use this | DRY NOTICES | AND REPO | RTS ON | WELLS to a different reservoir. | 6. IF | INDIAN, ALLOTTES | OR TEIBE NAME |
| • | | | | | 7. 02 | NIT AGREEMENT NA | MB |
| OIL GAS WELL | X OTHER | | | | 8 74 | EM OR LEASE NAM | (F |
| NAME OF OPERATOR | memission Su | nnly Company | | | | ederal | |
| PACITIC IT | ansmission Su | pp 19 Company | | · | 9. W | ELL NO. | |
| P.O. Box 30 | 093, Casper, | WY 82602 | | | i | 1-4 | |
| See also space 17 bel At surface | Report location clearly | and in accordance v | with any Sta | te requirements.* | | rield and Pool, O | |
| 1613' FSL, | 1329' FEL, N | W SE Section | 4, T10 | S, R23E | | SURVEY OR AREA | |
| | | | | | 12 2 | Section 4, | TIOS, RZ3E |
| 4. PERMIT NO. | 15. | ELEVATIONS (Show w | | GR, etc.) | | Jintah | Utah |
| | | | | | · · · · · · · · · · · · · · · · · · · | | 1 00011 |
| . 6. | Check Approp | oriate Box To Ind | icate Natu | ire of Notice, Report, | | | |
| | NOTICE OF INTENTION | TO: | _ | 28 | BSEQUENT R | EPORT OF: | r |
| TEST WATER SHUT-0 | PULL | OR ALTER CASING | _ | WATER SHUT-OFF | | REPAIRING V | |
| FRACTURE TREAT SHOOT OR ACIDIZE REPAIR WELL (Other) | CHANG | E PLANS | pertinent de | (Nors: Report r Completion or Re | esults of mu ecompletion I | ABANDONME COSS Itiple completion Report and Log for | on Well rm.) |
| REPAIR WELL (Other) 17. DESCRIBE PROPOSED O proposed work. I nent to this work.) | ABANI CHANG R COMPLETED OPERATIO Well is directionally | OON* CE PLANS ONS (Clearly state all drilled, give subsurf | ched | SHOOTING OR ACIDIZING (Other) Drilli | ng Progi esults of mu ecompletion i dates, includ vertical dept , 1980. | ABANDONME: COSS Iltiple completion Report and Log for ling estimated dat hs for all marker | on Well rm.) |
| REPAIR WELL (Other) 17. DESCRIBE PROPOSED O proposed work. I nent to this work.) | ABANI CHANG R COMPLETED OPERATIO Well is directionally | OON* CE PLANS ONS (Clearly state all drilled, give subsurf | ched | (Other) Drilli (Note: Report recompletion or Recompletion or Resource and measured and true) | ng Progi esults of mu ecompletion i dates, includ vertical dept , 1980. | ABANDONME: COSS Iltiple completion Report and Log for ling estimated dat hs for all marker | on Well rm.) |
| REPAIR WELL (Other) 17. DESCRIBE PROPOSED O proposed work. I nent to this work.) | ABANI CHANG R COMPLETED OPERATIO Well is directionally | OON* CE PLANS ONS (Clearly state all drilled, give subsurf | ched | (Other) Drilli (Note: Report recompletion or Recompletion or Resource and measured and true) | ng Progi esults of mu ecompletion i dates, includ vertical dept , 1980. | ABANDONME: COSS litiple completion Report and Log for ling estimated dat hs for all marker | on Well rm.) |
| REPAIR WELL (Other) 17. DESCRIBE PROPOSED O proposed work. I nent to this work.) | ABANI CHANG R COMPLETED OPERATIO Well is directionally | OON* CE PLANS ONS (Clearly state all drilled, give subsurf | ched | (Other) Drilli (Note: Report recompletion or Recompletion or Resource and measured and true) | ng Progi esults of mu ecompletion i dates, includ vertical dept , 1980. | ABANDONME: COSS litiple completion Report and Log for ling estimated dat hs for all marker | on Well rm.) |
| REPAIR WELL (Other) 17. DESCRIBE PROPOSED O proposed work. I nent to this work.) | ABANI CHANG R COMPLETED OPERATIO Well is directionally | OON* CE PLANS ONS (Clearly state all drilled, give subsurf | ched | (Other) Drilli (Note: Report recompletion or Recompletion or Resource and measured and true) | ng Progi esults of mu ecompletion i dates, includ vertical dept , 1980. | ABANDONME: COSS litiple completion Report and Log for ling estimated dat hs for all marker | on Well rm.) |
| REPAIR WELL (Other) 17. DESCRIBE PROPOSED O proposed work. I nent to this work.) | ABANI CHANG R COMPLETED OPERATIO Well is directionally | OON* CE PLANS ONS (Clearly state all drilled, give subsurf | ched | (Other) Drilli (Note: Report recompletion or Recompletion or Resource and measured and true) | ng Progi esults of mu ecompletion i dates, includ vertical dept , 1980. | ABANDONME: COSS litiple completion Report and Log for ling estimated dat hs for all marker | on Well rm.) |
| REPAIR WELL (Other) 17. DESCRIBE PROPOSED O proposed work. It nent to this work.) Daily Dril | R COMPLETED OPERATION well is directionally | oon* ce plans ons (Clearly state all drilled, give subsurf | ched | (Other) Drilli (Note: Report recompletion or Recompletion or Resource and measured and true) | ng Progi esults of mu completion i dates, includ vertical dept , 1980. | ABANDONME: COSS litiple completion Report and Log for ling estimated dat hs for all marker | on Well rm.) le of starting any s and zones perti- |
| REPAIR WELL (Other) 17. DESCRIBE PROPOSED O proposed work. I nent to this work.) | R COMPLETED OPERATION well is directionally | ce Plans In S (Clearly state all drilled, give subsurf.) Report atta | ached | (Other) Drilli (Note: Report recompletion or Recompletion or Resource and measured and true) | ng Progi esults of mu completion i dates, includ vertical dept , 1980. | ABANDONME CRESS Iltiple completion Report and Log for ling estimated data has for all marker APR 2 4 DIVISION OIL, GAS & M | on Well rm.) le of starting any s and zones perti- |

*See Instructions on Reverse Side

3-USGS, SLC, UT; 1-Div. of OG&M; 1-JLWroble; 1-ERHenry; 1-EEMulholland; 1-Ralph E. Davis;

1-Enserch Explo.

Pacific Transmission Supply Company PTS #4-4 Federal Uintah County, UT

| 4-7-80 | TD 1573'. Drilling in Green River. Cemented lost circulation intervals with 100 sacks RFC. WOC. |
|---------|--|
| 4-8-80 | TD 1573'. Cemented lost circulation intervals with 300 sacks RFC. WOC. Drilling cement 1338'-1525'. |
| 4-9-80 | TD 1804'. Drilled cement 1525'-1573'. Drilling in Green River 1573'-1804' with partial and no returns. Cemented lost circulation intervals with 300 sacks RFC. WOC. |
| 4-10-80 | TD 1804'. WOC. Cemented lost circulation intervals with 300 sacks RFC. WOC. Drilled cement 1400'-1651'. |
| 4-11-80 | TD 1948'. Drilling. Drilled cement 1651'-1750'. |
| 4-12-80 | TD 2232'. Drilling. |
| 4-13-80 | TD 2616'. Drilling. Deviation: 1-1/4° at 2295'. |
| 4-14-80 | TD 2768'. Logging. |
| 4-15-80 | TD 2768'. Cementing 9-5/8" casing. Completed logging. Log tops: Green River-Parachute Creek 1324', H-Marker 2612'. Ran 78 jts. 9-5/8" O.D., 36.0# K-55 casing to 2762'. |
| 4-16-80 | TD 2768'. WOC. Cemented 9-5/8" casing with 1100 sacks 50-50 Pozmix followed by 100 sacks Class G. Good circulation with cement returns to surface. Set slips and cut off casing. N.U. BOP equipment and pressure tested. |
| 4-17-80 | TD 2909'. Drilling. Ran Cement Bond log. Drilled cement 2716'-2763'. |
| 4-18-80 | TD 3510'. Drilling. Deviation: 1-1/2° at 3185'. |
| 4-19-80 | TD 4169'. Drilling. Deviation: 1-1/2° at 3775'. |
| 4-20-80 | TD 4580'. Drilling. Deviation: 1-1/2° at 4234'. |
| | DIS Planto |



DIVISION OF OIL, GAS & MINING

| Form 9-331 May 1963) | | UN OF THE IN | TEDIOD | SUBMIT IN TRIPL | on re | Form approve Budget Bures 5. LEASE DESIGNATION | u No. 42-R1424. |
|-----------------------------------|-----------------------|-------------------------------------|-----------------|--------------------------------|--------------------------|--|-----------------|
| • | | MENT OF THE IN | = | AGESC SIGE) | 1 | U-33433 | 40122 AV. |
| | | | | | | 6. IF INDIAN, ALLOTTE | OR TRIBE NAME |
| | | ICES AND REPORTION FOR PERMIT—" for | | | . | | |
| • | | | | | | 7. UNIT AGREEMENT NA | ME |
| WE'L GAB | | | | <u> </u> | | | |
| NAME OF OPERATOR | | | | | | 8. FARM OR LEASE NAM | |
| PACITIC ITA | | Supply Company | | | | Federal 9. WELL NO. | |
| | 193, Casper, | WY 82602 | | | j | 4-4 | |
| LOCATION OF WELL | (Report location c | learly and in accordance wi | ith any State | requirements.* | | 10. FIELD AND POOL, OF | R WILDCAT |
| See also space 17 l At surface | below., | | | | _ | | |
| 1613' FSL, | 1329' FEL, | NW SE Section 4, | , T10S, | R23E | | 11. SEC., T., R., M., OR E SURVEY OR AREA | ILK. AND |
| | | | | | | Section 4, | T105 P23F |
| 14. PERMIT NO. | | 15. ELEVATIONS (Show wh | ether DF, RT, G | R, etc.) | - | 12. COUNTY OF PARISE | 18. STATE |
| | | 5328' KDB | | | | Uintah | Utah |
| 6. | Charle A. | opropriate Box To India | cate Natur | of Notice Repo | rt or Ot | her Data | V 1 |
| •• · | | | - Lake 1 10/01 | e of Profice, Repor | | NT REPORT OF: | |
| | NOTICE OF INTEN | TION TO: | ¬ · | | | | |
| TEST WATER SHU | | PULL OR ALTER CASING | - | WATER SHUT-OFF | | REPAIRING V | |
| FRACTURE TREAT SHOOT OR ACIDIZE | | MULTIPLE COMPLETE ABANDON* | - | FRACTURE TREATMEN | | ABANDONME | 1 |
| REPAIR WELL | | CHANGE PLANS | | (Other) Drilli | ng Pro | ogess Reports | X |
| (Other) | | |] | (Note: Report Completion or | t results o Recomples | of multiple completion tion Report and Log for | on Well m.) |
| טמווץ ערווו | Ing Progres | s Report Attache | ed, Apri | 1 21 thru 27, | , 1900. | | |
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| | | | | | M. | AY 5 1980 | |
| | | | | | | DIVISION OF | ! |
| | | | | | OIL, | GAS & MINING | : |
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| | 0 1 | . [. | | | | • | |
| 8. I hereby certify the | hat the toregoin; i | a ciu and correct | | | | | |
| SIGNED | * | TITL' | E Petrol | eum Engineer | | DATE May 2, | 1980 |
| R. | J. Arth | | | | | | |
| (This space for F | 'ederal or State'offi | ce use; | | | | | |
| APPROVED BY _ | APPROVAL, IF A | TITL | Е | | | _ DATE | |
| | | v. of OG&M 1-JLV | droble: | 1-ERHenry: 1- | -EEMu31 | holland: 1-Ral | ph E. Davi |
| 1-Enserch | | ,. 01 Juan, 1-0L | 0510, | | 41 | | F |

*See Instructions on Reverse Side

Pacific Transmission Supply Company PTS #4-4 Federal Uintah County, UT

4-27-80

| 4-7-80 | TD 1573'. Drilling in Green River. Cemented lost circulation intervals with 100 sacks RFC. WOC. |
|---------|--|
| 4-8-80 | TD 1573'. Cemented lost circulation intervals with 300 sacks RFC. WOC. Drilling cement 1338'-1525'. |
| 4-9-80 | TD 1804'. Drilled cement 1525'-1573'. Drilling in Green River 1573'-1804' with partial and no returns. Cemented lost circulation intervals with 300 sacks RFC. WOC. |
| 4-10-80 | TD 1804'. WOC. Cemented lost circulation intervals with 300 sacks RFC. WOC. Drilled cement 1400'-1651'. |
| 4-11-80 | TD 1948'. Drilling. Drilled cement 1651'-1750'. |
| 4-12-80 | TD 2232'. Drilling. |
| 4-13-80 | TD 2616'. Drilling. Deviation: 1-1/4° at 2295'. |
| 4-14-80 | TD 2768'. Logging. |
| 4-15-80 | TD 2768'. Cementing 9-5/8" casing. Completed logging. Log tops: Green River-Parachute Creek 1324', H-Marker 2612'. Ran 78 jts. 9-5/8" O.D., 36.0# K-55 casing to 2762'. |
| 4-16-80 | TD 2768'. WOC. Cemented 9-5/8" casing with 1100 sacks 50-50 Pozmix followed by 100 sacks Class G. Good circulation with cement returns to surface. Set slips and cut off casing. N.U. BOP equipment and pressure tested. |
| 4-17-80 | TD 2909'. Drilling. Ran Cement Bond log. Drilled cement 2716'-2763'. |
| 4-18-80 | TD 3510'. Drilling. Deviation: 1-1/2° at 3185'. |
| 4-19-80 | TD 4169'. Drilling. Deviation: 1-1/2° at 3775'. |
| 4-20-80 | TD 4580'. Drilling. Deviation: 1-1/2° at 4234'. |
| 4-21-80 | TD 4911'. Drilling. Deviation 1° at 4804'. |
| 4-22-80 | TD 5055'. Drilling. Deviation 1° at 4905'. Tripped for bit #3. \overline{DB} : 5046'-53', 350 units gas. |
| 4-23-80 | TD 5436'. Drilling. |
| 4-24-80 | TD 5749'. Drilling.Deviation: 1-3/4° at 5650'. |
| 4-25-80 | TD 5920'. Drilling. Tripped for hole in pipe. |
| 4-26-80 | TD 6141'. Drilling. <u>DB</u> : 6076'-95', 770 unit gas. |
| | |

TD 6237'. Trip for drillstem test. \underline{DB} : 6185'-6212', 550 units gas.

| Form 9-331 (May 1963) DFP | UNTED STARTMENT OF THE | | SUBMIT IN TRIPINA! (Other instructions on | TE- Form appro Budget Bur 5. LEASE DESIGNATION | eau No. 42-R1424. |
|--|---|---|--|---|--|
| | GEOLOGICAL | | | U-33433 | |
| CUNIDAY | | | LWELLC | 6. IF INDIAN, ALLOTTI | EE OR TRIBE NAME |
| (Do not use this form fo | NOTICES AND I PROPOSALS TO GRAPPLICATION FOR PERMI | deepen or plug back | to a different reservoir. | | |
| I. OIL GAS X o | THER | | | 7. UNIT AGREEMENT N | AMB |
| 2. NAME OF OPERATOR | | | | 8. FARM OR LEASE NA | ME |
| Pacific Transmiss | ion Supply Compa | any | | Federal | |
| 3. ADDRESS OF OPERATOR | | | | 9. WELL NO. | |
| P.O. Box 3093, Ca | sper, WY 82602 | dones with one Ste | 4 | 4-4 | |
| See also space 17 below.) At surface | cation clearly and in accor | dance with any Sta | te requirements. | 10. FIELD AND POOL, | OR WILDCAY |
| 1613' FSL, 1329' | FEL, NW SE Secti | ion 4, T10S, | , R23E. | 11. SEC., T., R., M., OR SURVEY OR ARE | |
| 4. PERMIT NO. | 15 ELEVATIONS (| Show whether DF, RT, | (P. etc.) | Section 4, | T10S, R23E |
| . T. A BADILA NO. | 1 | B' KDB | , un, euc.) | Uintah | Utah |
| 6. Che | · · · · · · · · · · · · · · · · · · · | | ure of Notice, Report, o | | - |
| | OF INTENTION TO: | I | • | SEQUENT REPORT OF: | |
| TEST WATER SHUT-OFF | PULL OR ALTER CAS | ING | WATER SHUT-OFF | REPAIRING | WELL |
| FRACTURE TREAT | MULTIPLE COMPLET | E | FRACTURE TREATMENT | ALTERING (| ABING |
| SHOOT OR ACIDIZE | ABANDON* | | SHOOTING OR ACIDIZING | ABANDONME | NT* |
| REPAIR WELL | CHANGE PLANS | | (Other) | Progress ults of multiple completion | on Well |
| (Other) | | | Completion or Reco | mpletion Report and Log fo | rm.) |
| 7. DESCRIBE PROPOSED OR COMPLE proposed work. If well is nent to this work.) * | ETED OPERATIONS (Clearly s directionally drilled, give | tate all pertinent de subsurface locations | etails, and give pertinent da s and measured and true ver | tes, including estimated da rtical depths for all marker | te of starting any s and sones perti- |
| proposed work. If well is | directionally drilled, give | subsurface locations | s and measured and true ver | rtical depths for all marker | te of starting any |
| proposed work. If well is nent to this work.) * | directionally drilled, give | subsurface locations | s and measured and true ver | rtical depths for all marker | te of starting any |
| proposed work. If well is nent to this work.) * | directionally drilled, give | subsurface locations | s and measured and true ver | rtical depths for all marker | te of starting any |
| proposed work. If well is nent to this work.) * | directionally drilled, give | subsurface locations | s and measured and true ver | rtical depths for all marker | te of starting any |
| proposed work. If well is nent to this work.) * | directionally drilled, give | subsurface locations | s and measured and true ver | rtical depths for all marker | te of starting any |
| proposed work. If well is nent to this work.) | directionally drilled, give | subsurface locations | s and measured and true ver | ay 4, 1980. | te of starting any |
| proposed work. If well is nent to this work.) * | directionally drilled, give | subsurface locations | s and measured and true ver | ay 4, 1980. | te of starting any |
| proposed work. If well is nent to this work.) * | directionally drilled, give | subsurface locations | s and measured and true ver | rtical depths for all marker | te of starting any s and sones perti- |
| proposed work. If well is nent to this work.) * | directionally drilled, give | subsurface locations | s and measured and true ver | ay 4, 1980. | te of starting any s and sones perti- |
| proposed work. If well is nent to this work.) * | directionally drilled, give | subsurface locations | s and measured and true ver | MAY 1 6 19 | 380 |
| proposed work. If well is nent to this work.) | directionally drilled, give | subsurface locations | s and measured and true ver | MAY 1 6 19 | 380 |
| proposed work. If well is nent to this work.) | directionally drilled, give | subsurface locations | s and measured and true ver | MAY 1 6 19 | 380 |
| proposed work. If well is nent to this work.) | directionally drilled, give | subsurface locations | s and measured and true ver | MAY 1 6 19 | 380 |
| proposed work. If well is nent to this work.)* Subsequent Report | of Drilling Pro | ogress dated | April 28 thru Ma | MAY 1 6 19 OIL, GAS & MII | 380 OF VING |
| nent to this work.) * | of Drilling Pro | ogress dated | s and measured and true ver | MAY 1 6 19 OIL, GAS & MII | 380 |
| subsequent Report 8. I hereby certify that the fore Original 1 | of Drilling Pro | ogress dated | April 28 thru Ma | MAY 1 6 19 OIL, GAS & MII | 380 OF VING |
| Subsequent Report 8. I hereby certify that the fore SIGNED R. BY: REAL | of Drilling Pro | ogress dated | April 28 thru Ma | MAY 1 6 19 OIL, GAS & MII | 380 OF VING |

Pacific Transmission Supply Company PTS #4-4 Federal Uintah County, Utah

| 4-28-80 | TD 6281'. Drilling. DST no. 1 6187'-6237'. Final gas volume 8.95 MCF/D. |
|---------|--|
| 4-29-80 | TD 6425'. Drilling. Tripped for hole in drill collars. |
| 4-30-80 | TD 6653'. Drilling. DB: 6618'-37' 450 units gas. |
| 5-1-80 | TD 6889'. Drilling DB: 6687'-97' 220 units gas, 6713*-18' 230 units gas, 6739'-54' 590 units gas, 6756'-87' 350 units gas and 6821'-33' 650 units gas. |
| 5-2-80 | TD 7098'. Drilling. DB: 6939'-50! 660 units gas, 6975'-94! 1000 units gas and 7046'-59' 1200 units gas. |
| 5-3-80 | TD 7190'. Tripping. Tripped for bit. |
| 5-4-80 | TD 7297'. Drilling. Tripped for hole in drill collars. DR: 7260'-66' 570 units gas. 7280'-95' 830 units gas. |

| DEPARTI | UNITED STATES MENT OF THE INTERIO | 8UBMIT IN TRIPD TEO (Other instructions on re- R verse side) | Form approved. Budget Bureau No. 5. LEASE DESIGNATION AND SI U-33433 | 42-R1424. |
|--|--|--|---|-----------|
| SUNDRY NOT | ICES AND REPORTS OF ATION FOR PERMIT—" for such projections of the project of the | N WELLS ik to a different reservoir. | 6. IF INDIAN, ALLOTTEE OR TE | IBE NAME |
| 1. OIL GAS T | THON FOR I BARRIA TO THE PLAN | | 7. UNIT AGREEMENT NAME | |
| 2. NAME OF OPERATOR | Character Company | | 8. FARM OR LEASE NAME Federal | |
| Pacific Transmission 8. ADDRESS OF OPERATOR | Supply Company | | 9. WELL NO. | |
| P.O. Box 3093, Caspe Location of Well (Report location of See also space 17 below.) | r, WY 82602 learly and in accordance with any St | ate requirements.* | 4-4 10. FIELD AND POOL, OR WILD | CAT |
| At surface | , NW SE Section 4, T10 | C B23E | 11. SEC., T., R., M., OR BLK. AN SURVEY OR AREA | ip. |
| 1013 F3L, 1329 FEL | , NW SE SECTION 4, 110 | J, NEJL | Section 4, T10S | |
| 14. PERMIT NO. | 15. ELEVATIONS (Show whether DF, R 5328 KDB | T, GR, etc.) | 12. COUNTY OF PARISH 18. | tah |
| 16. Check A | ppropriate Box To Indicate Na | ture of Notice, Report, or C | Other Data | |
| NOTICE OF INTE | NTION TO: | SUBSEQU | TENT REPORT OF: | |
| FRACTURE TREAT SHOOT OR ACIDIZE | PULL OR ALTER CASING MULTIPLE COMPLETE ABANDON® CHANGE PLANS | Completion or Recompl | of multiple completion on We etion Report and Log form.) | |
| Subsequent Report of | Drilling Progress dat | ed May 5 thru 11, 19 | 980. | |
| | | | | |
| | | | RECEIVA | 30 |
| | | | MAY 1 6 1980 | |
| | | | DIVISION OF OIL, GAS & MINING | 3 |
| 18. I hereby certificational states of the state of the s | is true and correct | oleum Engineer | May 13, | 1980 |
| R. J. Firth (This space for Federal or State of | | • | | <u> </u> |
| APPROVED BY CONDITIONS OF APPROVAL, IF | TITLE | | DATE | · |

3-USGS,UT; 1-OG&M,UT; 1-JLWroble; 1-ERHenry; 1-EEMulholland; 1-Ralph Davis; 1-Enserch

Pacific Transmission Supply Company PTS #4-4 Federal Uintah County, Utah

| 4-28-80 | TD 6281'. Drilling. DST no. 1 6187'-6237'. Final gas volume 8.95 MCF/D. |
|---------|---|
| 4-29-80 | TD 6425'. Drilling. Tripped for hole in drill collars. |
| 4-30-80 | TD 6653'. Drilling. DB: 6618'-37' 450 units gas. |
| 5-1-80 | TD 6889'. Drilling DB: 6687'-97' 220 units gas, 6713*-18* 230 units gas, 6739*54' 590 units gas, 6756'-87' 350 units gas and 6821*-33* 650 units gas. |
| 5-2-80 | TD 7098'. Drilling. DB: 6939'-50' 660 units gas, 6975'-94' 1000 units gas and 7046'-59' 1200 units gas. |
| 5-3-80 | TD 7190'. Tripping. Tripped for bit. |
| 5-4-80 | TD 7297'. Drilling. Tripped for hole in drill collars. DB: 7260'-66' 570 units gas, 7280'-95' 830 units gas. |
| 5-5-80 | TD 7461*. Drilling. DB: 7386*-91* 1000 units gas. |
| 5-6-80 | TD 7696'. Drilling. DB: 7469'-77' 1000 units gas, 7567'-78' 1100 units gas, 7602'-07' 1250 units gas. |
| 5-7-80 | TD 7907'. Drilling. |
| 5-8-80 | TD 8038'. Circ. & mixing mud. Prep. to trip for new bit. |
| 5-9-80 | TD 8042'. Drilling. Tripped for new bit. |
| 5-10-80 | TD 8240'. Cîrc. & mixing mud. DB: 8104'-26'. |
| 5-11-80 | TD 8240'. Circ. & mixing mud. Preparing to run DST no. 2. |
| | |

DIVISION OF OIL, GAS AND MINING

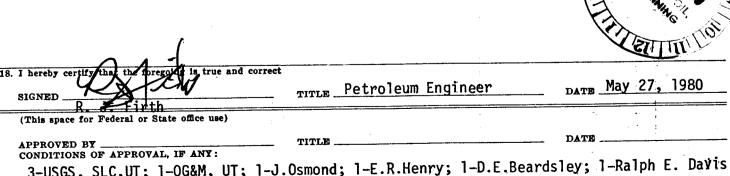
cc: USGS

PLUGGING PROGRAM

| NAME OF COMPANY: Pacific Transmissi | on Supply Company | |
|--|---|---------------------------------|
| WELL NAME: Federal #4-4 | | |
| SECTION 4 NW SE TOWNSHIP 10S | RANGE | COUNTY <u>Uintah</u> |
| VERBAL APPROVAL GIVEN TO PLUG AND ABOMANNER: | VE REFERRED TO WEL | L IN THE FOLLOWING |
| TOTAL DEPTH: 8670' | | |
| CASING PROGRAM: | FORMATION TOPS: | |
| 13 3/8" @ 208' circ to surf 9 5/8" @ 2762' 7 7/8" openhole TD | Green River Parachute Creek Wasatch | surface 1324' 4820' |
| | Measverde Buck Tongue Castlegate | 6072' 8282' 8371' |
| PLUGS SET AS FOLLOWS: | | |
| #1 8400' - 8200' | | |
| #2 6100' - 5900' | | |
| #3 4800' - 4600' | | |
| #4 2800' - 2600' | | |
| #5 30' - surface | | |
| 11#, 46 vis abandonment mud between perect regulation dryhole marker | lugs, clean and re | store site, |
| | | |
| DATE May 21, 1980 | SIGNED | Original Signed By M. T. Minder |

| · D | | ED STATES OF THE INTERIOR | SUBMIT IN TRIPLICATE (Other instructions on reverse side) | Form approved. Budget Bureau No. 4 5. LEASE DESIGNATION AND SER | 2-R1424. |
|---|------------------------|---|---|--|--|
| | | GICAL SURVEY | <u>.</u> | U-33433 | |
| SUNDR' | Y NOTICES A | AND REPORTS ON rill or to deepen or plug back or PERMIT—" for such propos | WELLS to a different reservoir. | 6. IF INDIAN, ALLOTTEE OR TEL | BE NAME |
| | | | | 7. UNIT AGREEMENT NAME | |
| OIL GAS WELL | OTHER | | | | |
| NAME OF OPERATOR | incian Cunnl | v Company | į | 8. FARM OR LEASE NAME | in . |
| Pacific Transm | 18810n Suppi | y company | | Federal 9. WELL NO. | |
| P.O. BOX 3093, | Casper, WY | 82602 | | 4-4 | _ |
| LOCATION OF WELL (Repor | t location clearly ar | nd in accordance with any Stat | e requirements. | 10. FIELD AND POOL, OR WILDC | AT |
| See also space 17 below.) At surface | | | | 11. SEC., T., R., M., OR BLE. AND SURVEY OR AREA | · · · · · · · · · · · · · · · · · · · |
| 1613' FSL, 1329 | 9' FEL, NW S | E Section 4, T10S, | , R23E | | _R23E |
| PERMIT NO. | 1 | EVATIONS (Show whether DF, RT, 5328 KDB | gr, etc.) | 12. | ah |
| | | | /N | | |
| | Check Approprie | ate Box To Indicate Natu | | | |
| NOTIO | CE OF INTENTION TO | : 1 | BUBBE | QUENT REPORT OF: | |
| TEST WATER SHUT-OFF | PULL OR | ALTER CASING | WATER SHUT-OFF | REPAIRING WELL | _ |
| FRACTUBE TREAT | | E COMPLETE | FRACTURE TREATMENT | ALTERING CASING ABANDONMENT* | |
| SHOOT OR ACIDIZE | ABANDON | | SHOOTING OR ACIDIZING L | | X |
| REPAIR WELL | CHANGE | PLANS | (Nome: Report result | ts of multiple completion on Well pletion Report and Log form.) | 1 - |
| (Other) | MDI ETED OPERATIONS | (Clearly state all pertinent de | tails, and give pertinent date | s, including estimated date of str | rting an |
| proposed work. If well nent to this work.) * | ll is directionally dr | illed, give subsurface locations | and measured and true verti | s, including estimated date of sta cal depths for all markers and zo | nes peru |
| nene w care worm, | | | | : | |
| | | r 1 No. 10 thus | . 24 1000 | | |
| Daily Drilling | , Reports att | ached, May 12 thru | 1 24, 1900. | | |
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| . I hereby celtify that the | e fore can is true s | and correct | | DATE May 27, 1 | 980 |

| • | | | |
|--|--|---|---|
| Form 9-331 (May 1963) | UNITED STATES DEPARTMENT OF THE INTERI GEOLOGICAL SURVEY | SUBMIT IN TRIPLICATES (Other instructions on reverse side) | Form approved. Budget Bureau No. 42-R1424. 5. LEASE DESIGNATION AND SERIAL NO. U-33433 |
| SUNI (Do not use this | DRY NOTICES AND REPORTS (form for proposals to drill or to deepen or plug b Use "APPLICATION FOR PERMIT—" for such pi | ON WELLS pack to a different reservoir. roposals.) | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME |
| 1. | X OTHER | | 7. UNIT AGREEMENT NAME |
| 2. NAME OF OPERATOR | | | 8. FARM OR LEASE NAME |
| | smission Supply Company | | Federal |
| 8. ADDRESS OF OPERATOR | SM13310H Supply Company | | 9. WELL NO. |
| | 3, Casper, WY 82602 | .* | 4-4 |
| 4. LOCATION OF WELL (R See also space 17 belo At surface | eport location clearly and in accordance with any | State requirements.* | 10. FIELD AND POOL, OR WILDCAT |
| | 329' FEL, NW SE Section 4, Tl | OS, R23E | 11. BEC., T., R., M., OR BLK. AND SURVEY OR AREA Section 4, Tlos, R23E |
| 14. PERMIT NO. | 15. ELEVATIONS (Show whether DE 5328 KDB | ', RT, GR, etc.) | 12. COUNTY OR PARISH 18. STATE Uintah Utah |
| 16. | Check Appropriate Box To Indicate N | • | Other Data |
| TEST WATER SHUT-OF FRACTURE TREAT SHOOT OR ACIDIZE REPAIR WELL (Other) | MULTIPLE COMPLETE ABANDON* CHANGE PLANS | Completion or Kecomp | of multiple completion on Well letion Report and Log form;) |
| Drilled 7-7/5-1/2", 17.0 8 centralize tropic 10-0 | /8" hole to TD 8670' and condu O# N80 and 20.0# K55 production ers. Land casing at 8400°. Coment and 100 sacks Class Good circulation throughout jument top at 6000'. Set casing | octed electric logging on casing with guide s Cemented thru casing s cement. Preceded co job. Bumped plug wit | g operations. Ran 204 jt shoe, float collar, and shoe with 900 sacks Thixo ement slurry with 10 bbls h 2800#, float held. |



3-USGS, SLC,UT; 1-OG&M, UT; 1-J.Osmond; 1-E.R.Henry; 1-D.E.Beardsley; 1-Ralph E. Davis;

1-Enserch

HYDROSTATIC PRESSURE TEST - B.O.P.'S

P. T. S. - FED. 4-4

OLSEN - RIG 2

APRIL 16, 1980

by .

YELLOW JACKET TOOLS AND SERVICES, INC.

VERNAL, UTAH

TESTED BY: RON JAMES

TICKET NO. 20581



Pacific Transmission 85 South 200 East Vernal, Utah 84078

Gentlemen,

| We made a hydrostatic pressure test on your Federal 4-4-, located in the Bonaza, Utah area, in the Vernal, Utah district on April 16, 1980. Test was made using (plug) 10" WKM or (packer) or (both). When we arrived, the rig was nippling up These changes were made to BOP hookup since previous test |
|---|
| List any delay observed to operation of BOPs during test: and, loss of closing pressure (other than hydril test)(Corrected) |
| List items replaced during testing: |
| Closures were made using pump accumulators x both with observed pressure of 1600 for test to ram type BOPs and T400 for test on Hydril. |
| Accumulator bottles 12 were pressured to 1600at end of test. |
| Control valves operating as indicated on closing unit manifold except: |
| Extentions were or were notx hooked up to BOPs at end of test. |
| No test desired to <u>casing and kelly lock</u> . |
| Items leaking at the conclusion of testing and/or malfunction of BOPs at end of test; |
| A drawing of surface control equipment has been prepared to show any leaks and malfunctions. A report taken from field notes and a pressure chart of the test.are also enclosed. |
| Your comments and suggestions well be appreciated. |

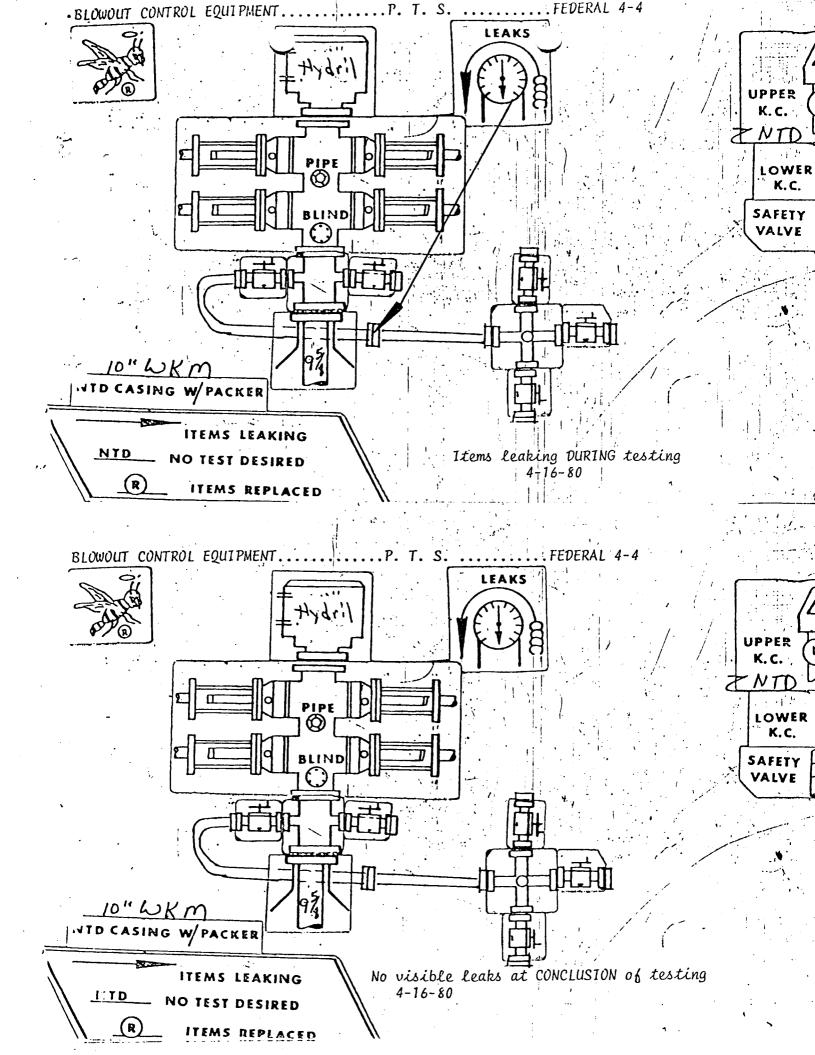
Sincerely yours,

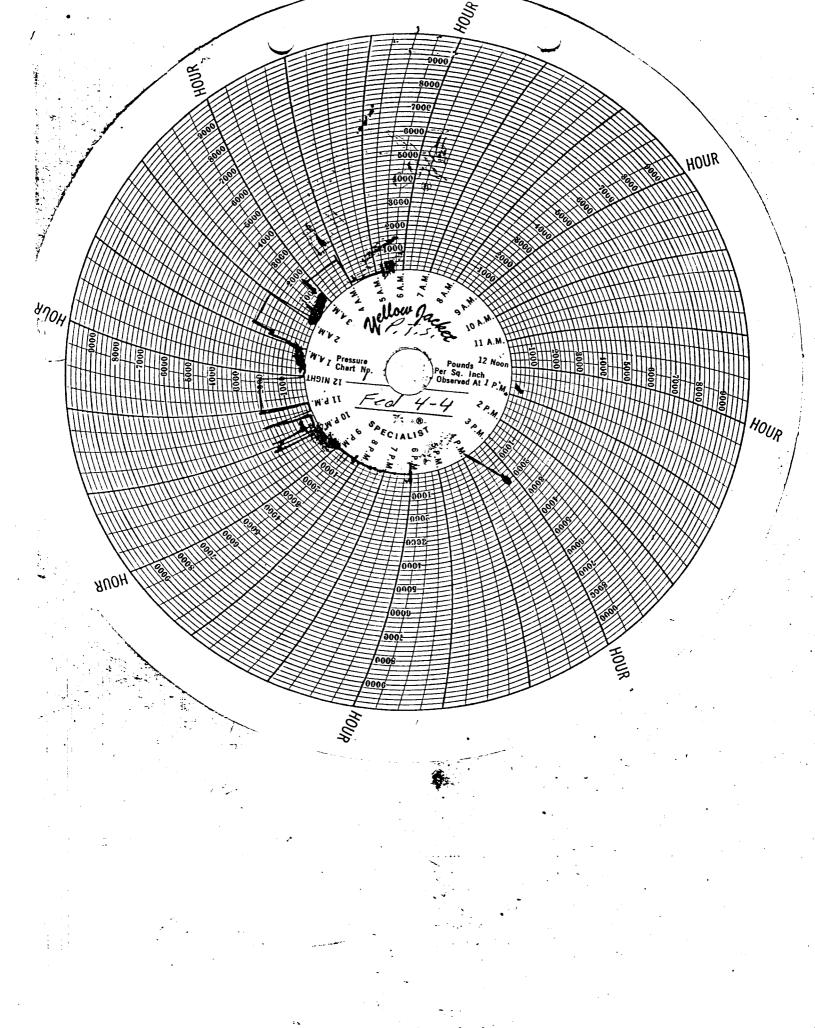
Yellow Jacket Tools and Services, Inc.

Billy Duff

bde/Enclosures

| Test # | Items Tested | Pressure pt | Рлеххите | Minutes Held | Results |
|------------|---|------------------|----------|-----------------|--|
| | Blind rams choke line and manifold w/inside values closed on manifold and inside value on kill line | 2" Connection | | | , |
| 1 | inside valve on kill line . # | # | 2000# | | Leak thru flange in middle of choke line |
| <u>.</u> 2 | # | # | # | | SAme Leak |
| 3 | # Pipe rams w/inside value on choke line | # Down | # | 16 min. | No visible leaks |
| -)- | closed | Drill Pipe | | | |
| 4 | # | # | 2500# | 15 min. | No visible leak |
| | Hydril everything same | # . | | | |
| 5 | # | # | 1500# | 23 min. | No visible leaks |
| | | | | | |
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Commented to the second section of the second sections of

DRILLSTEM TESTS

Drillstem Test #1, 6188'-6237' (51')

Tool opened with a 1" underwater blow, increased to bottom of bucket in 13 minutes and remained through flow period. (Gas to surface in 32 minutes during second flow).

| | Time | <u>PSI</u> | <u>Choke</u> | MCF/D |
|-------------|--|---|---|--|
| Second Flow | 35 minutes 40 minutes 45 minutes 50 minutes 55 minutes 60 minutes 65 minutes 70 minutes 75 minutes 80 minutes 80 minutes | 2 2 2 1 1 1 1 1 1 | 1/4" 1/4" 1/4" 1/4" 1/4" 1/4" 1/4" 1/4" | 12.7 12.7 12.7 12.7 8.95 8.95 8.95 8.95 8.95 8.95 |
| | 90 minutes | 1 | 1/4" | 8.95 |

Sampler

```
Pressure in sampler 30 psig
Total volume in sampler 2100 cc
Total volume in sampler 1900 cc
Water None
Gas .1 cubic feet
Mud 1900 cc
```

```
Sample R_W .6 @ 83 deg. F = 10,000 ppm chlorides Water R_W Fresh Mud pit sample R_W .7 @ 80 deg. F = 7,500 ppm chlorides
```

Sample Recovery - Top Sample $R_{\rm W}$: .8 @ 85 deg. F = 6,200 ppm chlorides Bottom Sample $R_{\rm W}$: .5 @ 80 deg. F = 11,000 ppm chlorides

Recovery in Pipe: 100' Drilling mud = .61 bbls.

| Pressures: | IH | 3088# |
|------------|---------------|---------------------|
| | FH | 3011# |
| | | |
| | IF - 1 | 56# (15 minutes) |
| | FF - 1 | 62# |
| | | |
| | IF - 2 | 56# (60 minutes) |
| | FF - 2 | 78# |
| | ISIP | 2720# (90 minutes) |
| | | |
| | FSIP | 2892# (180 minutes) |
| | BHT | 154 degrees F. |
| | | 20, 20, 22 |
| Mud Weinht | Q <i>1</i> .# | · |

Mud Weight 9.4# Viscosity 40

Drillstem Test #2, 8106'-8240' (134')

Tool opened with a weak blow; increased to bottom of bucket in 45 seconds and continued to increase to 35 psi in 5 minutes with gas to surface in 9 minutes (tool opened with gas to surface during second flow).

| | Time | <u>PSI</u> | Choke | MCF/D |
|-------------|---|---|---|--|
| First Flow | 9 minutes 10 minutes 15 minutes 20 minutes | 50 60 80 90 | 1/4" 1/4" 1/4" 1/4" | 89.7 103.6 131.4 145.3 |
| Second Flow | 5 minutes 10 minutes 15 minutes 20 minutes 25 minutes 30 minutes 35 minutes 40 minutes 45 minutes 50 minutes 50 minutes 60 minutes 60 minutes 60 minutes 61 minutes 62 minutes 63 minutes 64 minutes 65 minutes 65 minutes 65 minutes 60 minutes 60 minutes 61 minutes 62 minutes 63 minutes 64 minutes | 2 19 34 44 47 44 40 37 35 33 30 28 27 26 24 22 21 | 1/4" 1/4" 1/4" 1/4" 1/4" 1/4" 1/4" 1/4" | 12.7 45.5 67.5 81.2 85.5 81.2 75.8 71.8 69.0 66.2 61.9 59.0 57.7 56.3 53.2 50.2 48.7 |

Sampler

| Pressure in sampler Total volume in sampler Total volume in sampler | 300 psig 2100 cc 1400 cc |
|---|--------------------------------|
| Water | 1400 cc |
| Gas | .25 cubic feet |

```
Sampler R_W .69 @ 70 deg. F = 8900 ppm chlorides Water R_W 10+ 10.0 @ 70 deg. F = 6000 ppm chlorides
```

```
Sample Recovery - Top Sample R_W: 1.0 @ 70 deg. F = 6,000 ppm chlorides Middle Sample R_W: .55 @ 75 deg. F = 10,000 ppm chlorides Bottom Sample R_W: .55 @ 75 deg. F = 10,000 ppm chlorides
```

```
Recovered - 1470' Total Fluid

180' Drilling Mud = 2.56 bbl.

1290' Water = 13.94 bbl.
```

DST #2 (Continued)

| Pressures: | IH | 5020# |
|-------------------------|------------|-------------------|
| | FH | 4906# |
| 0.5 | IF - 1 | 555# (20 minutes) |
| | FF - 1 | 551# |
| | IF - 2 | 502# |
| | FF - 2 | 649# |
| į. | ISIP | 2572# |
| | FSIP | 2061# |
| | BHT | 177 degrees F |
| Mud Weight Viscosity | 11.6 46 | |

Drillstem Test #3, 8372'-8433' (61')

Tool opened with a weak blow; increased to bottom of bucket in 45 seconds and continued to increase to IPSI in 12 minutes and remained through flow period. (No gas to surface during second flow (907 max)).

Sampler

Total volume in sampler 2150 cc
Total volume of sample 1800 cc
Pressure in sampler 45 PSIG
Mud 1800 cc
Gas .2 cubic feet

Sampler R_W : 5.2 @ 70 deg. F = 1100 ppm chlorides Water R_W : 10.0+ @ 70 deg. F = 530 ppm chlorides 4.0 @ 75 deg. F = 1300 ppm chlorides

Sample Recovery - Top Sample R_W : 4.0 @ 70 deg. F = 1350 ppm chlorides Bottom Sample R_W : 5.2 @ 75 deg. F = 950 ppm chlorides

Fluid Recovery - 110' Drilling mud

5085# IH . Pressures: FH 4973# 96# (15 minutes) IF - 1 FF - 1 96# 56# (60 minutes) IF - 2 FF - 2 76# 310# (45 minutes) **ISIP** 535# (95 minutes) **FSIP** BHT 180 degrees F

Mud Weight 11.4# Viscosity 52

SAMPLE DESCRIPTIONS

| Depth | Lithology |
|--------------------|---|
| 4400-6000' | Shale - Predominately gray, gold, red, brown, lavender, soft to firm (wet), flaky, slightly calcareous, occasionally splintery. |
| | Limestone-trace, brown-gray, mottled, blocky, microcrystalline. |
| | Sandstone-trace, tan, salt and pepper, very fine grained, well sorted, slightly calcareous. |
| | Anhydrite-trace, dark brown, microcrystalline, splintery to flaky, very hard. |
| 6182-6208' | (DST #1) Sandstone-100%, white, clear, fine grained to medium grained, friable, very calcareous, poor porosity, dirt, tight. |
| 6000-6100' | Limestone-trace, gray brown, brecciated, microcrystalline, fossiliferous in part. |
| | Anhydrite-trace, gray brown, dense, very hard, non-calcareous, cryptocrystalline. |
| 6100-6300' | Shale-trace, waxy brick red shale. |
| | Sandstone-trace (10-30%) white, salt and pepper, fine grained, friable, calcareous, angular, medium-well sorted. |
| 6300-7000' | Abundant cavings- red, gold, soft shale. |
| 7000-7300 | Shale(60-80%) predominately gray, dull, dense, waxy in part, silty in part, micaceous in part, pyritic in part, also brown, brick, silty, blocky, trace fossils (ostracods). |
| | Sandstone-(20-40%) salt and pepper, white, very fine grained - fine grained, silty in part, friable, poorly sorted, angular, tight, calcareous, occasionally blue-gray, medium gray, poorly sorted. |
| 7300-7600' | Shale-(50-100%) dark gray, blocky, hard, dense, occasionally silty, occasionally carbonaceous, trace ostracod conglomerate. |
| | Sandstone- salt and pepper, friable, medium grained, poorly sorted, angular. |
| 7600- 8000' | Shale- gray brown, brick blocky, dense, occasionally waxy, occasionally carbonaceous. |
| | Coal-(10-30%) trace of ostracod conglomerate. |

Sandstone-salt and pepper, medium grained, friable, poorly sorted, angular, (trace very fine grained, gray, tight, slightly siliceous).

8040-8100

Sandstone-(50%) fine to medium grained, angular, poorly sorted, friable, salt and pepper, occasionally pyritic, slightly calcareous, occasionally carbonaceous.

Shale-medium to dark gray, blocky, dense, hard (dry), occasionally waxy.

Coal-trace.

8100-8240'

Sandstone-(70%) white, light gray, friable to hard, occasionally siliceous, fine to medium gray, medium sorted.

Shale-as above.

8260-8371'

Buck Tongue Shale-black, dark gray, dense, occasionally silty, occasionally carbonaceous, blocky, non-calcareous.

8371-8430'

Castlegate Sand-white, clear, very fine grained to fine grained, friable, moderately clean, medium to well sorted, angular quartz grains, non-calcareous.

8450-85501

Sandstone-(50-80%) clear, white, friable, fine grained, angular, poorly sorted, moderately clay filled, predominately clean, occasionally carbonaceous, non-calcareous.

Shale-dark gray to black, dense, silty, carbonaceous in part, blocky, hard, firm, becoming shaley, dark gray, black, blue gray, slightly calcareous in part.

8550-86701

Shale-(80-100%) black, gray, blue-gray, predominately dense to silty, occasionally waxy, blocky, slightly carbonaceous in part, non-calcareous, pyritic in part.

Sandstone-fine to medium grained, salt and pepper, white, angular, poorly sorted, dirty, tight, firm to friable.

FORMATION TOPS

| <u>Formation</u> | <u>Depth</u> | <u>Datum</u> |
|---------------------------|--------------|--------------|
| Green River | Surface | • |
| Parachute Creek | 1324' | +4006 ' |
| "H" Marker | 2612' | +2718' |
| Wasatch Transition | 4106' | +1224' |
| Wasatch | 4820' | + 510' |
| "Y" Marker | 5733' | - 403' |
| Mesaverde (Farrer Facies) | 6072' | - 742' |
| (Neslen Coaly Facies) | 6730' | -1400' |
| Buck Tongue Shale | 82821 | -2952' |
| Castlegate | 8371' | -3041' |
| Mancos Shale | 8551' | -3221' |

Natural Gas Corporation of California

85 South 200 East Vernal, Utah 84078 (801) 789-4573 May 27, 1980

Mr. E. W. Guynn (3)
GEOLOGICAL SURVEY-CONSERVATION DIV.
2000 Administration Bldg.
1745 West 1700 South
Salt Lake City, UT 84104

Mr. Frank M. Hamner (1)
DIVISION OF OIL, GAS & MINING
1588 West North Temple
Salt Lake City, UT 84116

Mr. J. Milton Wege (1) RALPH E. DAVIS & ASSOCIATES 500 Jefferson, Suite 2031 Houston, TX 77002

Richard Smith (1) ENSERCH EXPLORATION, INC. Metrobank Bldg., Suite 1322 Denver, CO 80202

Re: PTS 4-4 Federal NW SE Section 4, T10S, R23E Uintah County, UT

Gentlemen:

Enclosed are your required number of copies of Form 9-331, Sundry Notices and Reports on Wells, Subsequent Report of Setting & Cementing Casing dated May 27, 1980 and a Subsequent Report of Daily Drilling Progress dated May 27, 1980 for the above referenced well.

Very truly yours,

Petroleum Engineer

RJF/kh Encls.

cc: J. Osmond

E. R. Henry

D. E. Beardsley

C. T. Clark (Cover Letter Only)

Natural Gas Corporation of California

85 South 200 East Vernal, Utah 84078 (801) 789-4573

May 27, 1980

Mr. Frank M. Hamner DIVISION OF OIL, GAS & MINING 1588 West North Temple Salt Lake City, UT 84116

Re: PTS #4-4 Federal

NW SE Section 4, T10S, R23E

Uintah County, UT

Dear Sir:

Enclosed is a copy of Lynes Drill Stem Test No. 1 and No. 2 dated 4-28-80 for the above referenced well.

Very truly yours,

R. J. Firth

Petroleum Engineer

/kh Encls.

cc: Rod Boschee

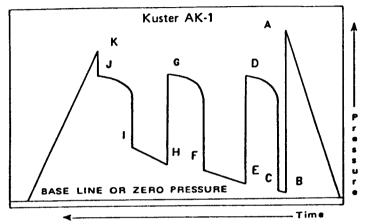
Peg Voss (Cover Letter Only)



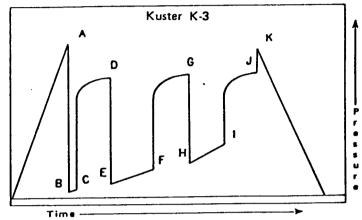
GUIDE TO INTERPRETATION AND IDENTIFICATION OF LYNES DRILL STEM TEST PRESSURE CHARTS

In making any interpretation, our employees will give Customer the benefit of their best judgment as to the correct interpretation. Nevertheless, since all interpretations are opinions based on inferences from electrical, mechanical or other measurements, we cannot, and do not, guarantee the accuracy or correctness of any interpretations, and we shall not be liable or responsible, except in the case of gross or wilful negligence on our part, for any loss, costs, damages or expenses incurred or sustained by Customer resulting from any interpretation made by any of our agents or employees.

AK-1 recorders. Read from right to left.



K-3 recorders. Read from left to right.



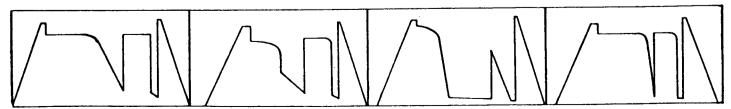
- A Initial Hydrostatic
- B First Initial Flow
- C First Final Flow
- D Initial Shut-in
- E Second Initial Flow
- F Second Final Flow
- G Second Shut-in
- H Third Initial Flow
- 1 Third Final Flow
- J Third Shut-in
- K Final Hydrostatic



Very low permeability. Usually only mud recovered from interval tested. Virtually no permeability.

Slightly higher permeability. Again usually mud recovered. Slightly higher permeability. Small recovery, less than 200 ft). Average permeability. Final and initial shutins differ by 50 psi.

Average permeability. Strong damage effect. High shut-in pressure, low flow pressure.



Excelent permeability where final flow final shut-in pressure.

High permeability where ISIP and FSIP are within 10 psi.

Deep well bore invasion or damage. Final shut-in higher than the initial shut-in.

Tight hole chamber tester. Permeability very difficult to interpret unless the recovery is less than chamber length. Flow pressure builds up rapidly if recovery is large, similar to a shut-in.

See Distribution

| Contractor | Olsen Drilling |
|------------|----------------|
| Rig No. | .2 |
| Spot | NW-SE |
| | 4 |
| Twp | 10 S |
| Rng | 23 E |
| Field | Wildcat |
| County | Uintah |
| State | Utah |
| | 5328' K.B. |

Formation_Mesaverde

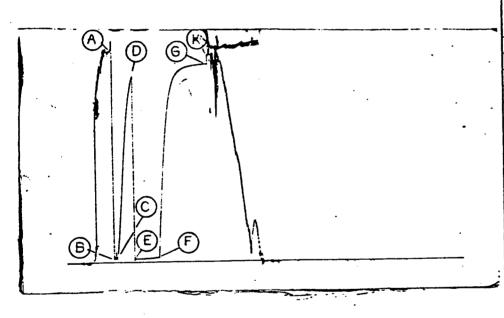
| Size Wt. Pipe I. D. of D. C Length of D. C Total Depth | 9/16" 7 7/8" 4 1/2" 16.60 2 1/2" 502' 6237' 6188-6237' |
|---|--|
| _ | |
| | 6188-6237' Bottom Hole |
| Type of Test | Conventional |

| Flow No. 1 | 15 | Min. |
|------------------|-----|------------|
| Shut-in No. 1 | 60 | Min. |
| Flow No. 2 | 90 | Min. |
| Shut-in No. 2 | 180 | Min. |
| Flow No. 3 | | Min. |
| Shut-in No. 3 | | Min. |
| 0.100 111 710. 0 | | · <u> </u> |

| Bottom Hole Temp | 154 ⁰ F | | | | |
|---------------------|--------------------|--|--|--|--|
| Mud Weight | 9.4 | | | | |
| Gravity | | | | | |
| Viscosity | 40 | | | | |

Incide Pecorder

Tool opened @____



| Inside | Rec | orger | l |
|---------------------|------------|-----------|--------|
| PRD Make Kuster | <u>K-3</u> | | |
| No. 16463 Cap. 3 | | | ļ |
| Press | | Corrected | |
| Initial Hydrostatic | Α | 3088 | ļ |
| Final Hydrostatic | K | 3011 |]_ |
| Initial Flow | В | 56 | Ticket |
| Final Initial Flow | С | 62 | 2 |
| Initial Shut-in | D | 2720 | lz |
| Second Initial Flow | Ε | 56 |]. |
| Second Final Flow | F | 78 | 1 |
| Second Shut-in | G | 2892 | |
| Third Initial Flow | Н | | ١,, |
| Third Final Flow | ı | | Ţ |
| Third Shut-in | J | | 20789 |
| | | <u></u> |] ~ |
| | | |] |
| | | | |

Lynes Dist : Rock Springs, Wy. Our Tester: Myron Whiting Witnessed By: Joe Monce

Did Well Flow - Gas <u>yes Oil no Water</u> no 100' Drilling mud = .61 bbl. RECOVERY IN PIPE:

> .8 0.85° F = 6200 ppm. cl. Top Sample R.W.: .5 @ 80°F = 11000 ppm. cl. Bottom Sample R.W.:

Blow Description:

Tool opened with a 1" underwater blow, increased to bottom of 1st Flow:

bucket in 13 minutes and remained thru flow period.

Tool opened with a strong blow, increased to bottom of bucket 2nd Flow: in 15 seconds and continued to increase to 6 psi in 2 minutes;

decreased to 3 psi in 30 minutes with gas to surface in 32

minutes. See Gas Volume Report.

Federal #4-4
Well Name and No. Pacific Transmission Supply Co. Inside Recorder PRD Make Kuster K-3 No. 16830 Cap 6900 @ 6172 Press Correct Initial Hydrostatic 3092 Final Hydrostatic K 3017 Initial Flow В 116 Final Initial Flow C 75 Initial Shut-in D 2713 Second Initial Flow E 84 F Second Final Flow 78 G Second Shut-in 2879 Third Initial Flow Н Third Final Flow I Third Shut-in J Pressure Below Bottom Packer Bled To PRD Make. _Cap._ Correc Press Initial Hydrostatic Final Hydrostatic K В Initial Flow C Final Initial Flow D Initial Shut-in Second Initial Flow Ε Second Final Flow F Second Shut-in G Н Third Initial Flow Third Final Flow 1 Third Shut-in Pressure Below Bottom Packer Bled To

Operator Pacific Transmission Supply Co Lease & No. Federal #4-4

_DST No. 1 Revision #1

*Original Comments relative to DST #1 should be disregarded.

Comments relative to the analysis of the pressure chart from DST #1, Interval: 6188-6237', which was run in the above captioned well located in the NW-SE Section 4, TlOS, R23E, Uintah County, Utah.

This analysis has been made on the basis of the gas recovery only, the Horner extrapolation method and the gas equations shown on the inside of the back cover of this report folder.

For purposes of this anlaysis, the following reservoir, gas properties, and test parameters have been used:

 $T_f = 614^{\circ}R.$, u = 0.015 cps., h = 10 feet (estimated), t = 105 minutes, m = 1866569 psi/log cycle.

This analysis has been based on the <u>Final</u> extrapolated shut-in pressure build-up. The character of the Initial shut-in pressure build-up curve and the incremental reading data indicate that "steady-state" conditions were not attained during the Initial shut-in period.

- 1. Extrapolation of the <u>Final</u> shut-in pressure build-up curve indicates a maximum reservoir pressure of <u>2956</u> psi at the recorder depth of 6168 feet.
 - The calculated Average Production Rate, which was used in this analysis,
 10.2 MCF/D, is based upon an average of the reported gas flow rates which were gauged during the final flow period.
 - 3. The calculated Estimated Damage Ratio of $\underline{1.0}$ indicates no significant wellbore damage was present at the time of this formation test. This value could be influenced by gas saturations around the wellbore; the actual Damage Ratio could be somewhat less.
 - 4. The calculated Effect Transmissibility of 4.7 md-ft./cp. indicates an average permeability to gas of 0.01 md., for the estimated 10 feet of effective porosity within the total 49 feet of interval tested,
 - 5. The evaluation criteria used in the Drill Stem Test Analysis System indicate that the results obtained in this analysis should be reliable within reasonable limits relative to the assumptions which have been made.

P.D. Banks

Technical Service Manager

Lynes, Inc.

WELL NAME: FEDERAL 4-4

DST NUMBER:

001

RECORDER NUMBER: 016463

INTERVAL TESTED: 6188FT

TD 6237FT .

RECORDER DEPTH: 6168.000FT

TOTAL FLOW TIME: 15.0HIM

FIRST SHUT IN PRESSURE (GAS)

| TIHE (HIN) PH1 | (T+PHI) /PHI | PRESSURE (PSI) | PRESSURE (PSI^2)/10^6 |
|-------------------|-----------------|-------------------|--------------------------|
| .0 | .0000 | 62.0 | .00384 |
| 1.0 | 16.0000 | 142.0 | .02016 |
| 2.0 | 8.5000 | 183.0 | .03349 |
| 3.0 | 6.0000 | 221.0 | .04884 |
| 4.0 | 4,7500 | 269.0 | .07236 |
| 5.0 | 4.0000 | 309.0 | .09548 |
| 6.0 | 3.5000 | 365.0 | .13322 |
| 7.0 | 3.1429 | 408.0 | .16646 |
| 8.0 | 2.8750 | 454.0 | .20612 |
| 9.0 | 2.6667 | 514.0 | .26420 |
| 10.0 | 2.5000 | 566.0 | •32036 |
| 12.0 | 2.2500 | 687.0 | •47197 |
| 14.0 | 2.0714 | 806.0 | .64964 |
| 16.0 | 1,9375 | 925.0 | .85562 |
| 18.0 | 1.8333 | 1049.0 | 1.10040 |
| 20.0 | 1.7500 | 1179.0 | 1.39004 |
| 22.0 | 1.6818 | 1316.0 | 1.73186 |
| 24.0 | 1.6250 | 1436.0 | 2.06210 |
| 26.0 | 1.5769 | 1556.0 | 2.42114 |
| 28.0 | 1.5357 | 1668.0 | 2.78222 |
| 30.0 | 1.5000 | 1785.0 | 3.18980 |
| 35.0 | 1.4286 | 2045.0 | 4.18202 |
| | 1.3750 | 2261.0 | 5.11212 |
| 40.0 | 1.3333 | 2433.0 | 5.91949 |
| 45.0 | 1.3000 | 2538.0 | 6.59462 |
| 50.0 | 1.2727 | 2658.0 | 7.06496 |
| 55.0 | 1.2500 | 2720.0 | 7.39840 |
| 60.0 | 1+2500 | | |

The initial shut-in pressure build-up curve has insufficient character to permit the use of Horner plot to determine reliable extrapolated shut-in pressure.

WELL NAME: FEDERAL 4-4

DST NUMBER: 001

RECORDER NUMBER: 016463

INTERVAL TESTED: 6188FT TO 6237FT

RECORDER DEPTH: \$168.000FT

TOTAL FLOW TIME: 105.0MIN

SECOND SHUT IN PRESSURE (GAS)

| TIME (MIN) | (T+PHI) | PRESSURE | PRESSURE |
|------------|----------|----------|-------------------------|
| TIHE (HIN) | /PHI | (PSI) | (PSI^2)/10 ⁶ |
| PHI | \LU1 | (102) | |
| .0 | .0000 | 78.0 | 80800. |
| 1.0 | 106.0000 | 213.0 | .04537 |
| 2.0 | 53.5000 | 306.0 | .07364 |
| 3.0 | 36.0000 | 384.0 | .14746 |
| 4.0 | 27.2500 | 458.0 | •20976 |
| 5.0 | 22.0000 | 543.0 | .29485 |
| 6.0 | 18.5000 | \$28.0 | .39438 |
| 7.0 | 16.0000 | 691.0 | .47748 |
| 8.0 | 14.1250 | 766.0 | .58676 |
| 9.0 | 12.6667 | 835.0 | .69722 |
| 10.0 | 11.5000 | 904.0 | .81722 |
| 12.0 | 9.7500 | 1049.0 | 1.10040 |
| 14.0 | 8.5000 | 1193.0 | 1.42325 |
| 16.0 | 7.5625 | 1334.0 | 1.77956 |
| 18.0 | 6.8333 | 1463.0 | 2.14037 |
| 20.0 | 6.2500 | 1575.0 | 2.48062 |
| 22.0 | 5.7727 | 1687.0 | 2.84597 |
| 24.0 | 5.3750 | 1799.0 | 3.23640 |
| 26.0 | 5.0385 | 1879.0 | 3.60620 |
| 28.0 | 4.7500 | 1986.0 | 3.94420 |
| 30.0 | 4.5000 | 2073.0 | 4.29733 |
| 40.0 | 3.6250 | 2413.0 | 5.82257 |
| 50.0 | 3.1000 | 2810.0 | 6.81210 |
| 60.0 | 2.7500 | 2712.0 | 7.35494 |
| 70.0 | 2.5000 | 2772.0 | 7.68398 7.89048 |
| 80.0 | 2.3125 | 2809.0 | 7.87048 3.02022 |
| 90.0 | 2.1667 | 2832.0 | 8.11110 |
| 100.0 | 2.0500 | 2848.0 | 8.17388 |
| 110.0 | 1.9545 | 2859.0 | 8.21969 |
| 120.0 | 1.8750 | 2867.0 | 8.25413 |
| 130.0 | 1.8077 | 2873.0 | 8.28288 |
| 140.0 | 1.7500 | 2878.0 | 8.30592 |
| 150.0 | 1.7000 | 2832.0 | 8.32899 |
| 160.0 | 1.6563 | 2886.0 | 8.34632 |
| 170.0 | 1.6176 | 2889.0 | 8.36366 |
| 180.0 | 1.5833 | 2892.0 | 0+20000 |

SLOPE: 1866569.00

EXTRAPOLATED PRESSURE: 2955.70

RESERVOIR PARAMETER'

| RESERVE TEMP VISCOSITY WELL RADIUS | BITH HOL THP Z FACTOR PAY THICKNES | 154.000 .850 10.000 | SPEC GRAVITY DST GAS RATE SUBSEA DEPTH | |
|--|--|---------------------------|--|--|
| WATER GRADNT | LWI MITOWIED | 200000 | | |

WELL NAME - FEDERAL 4-4

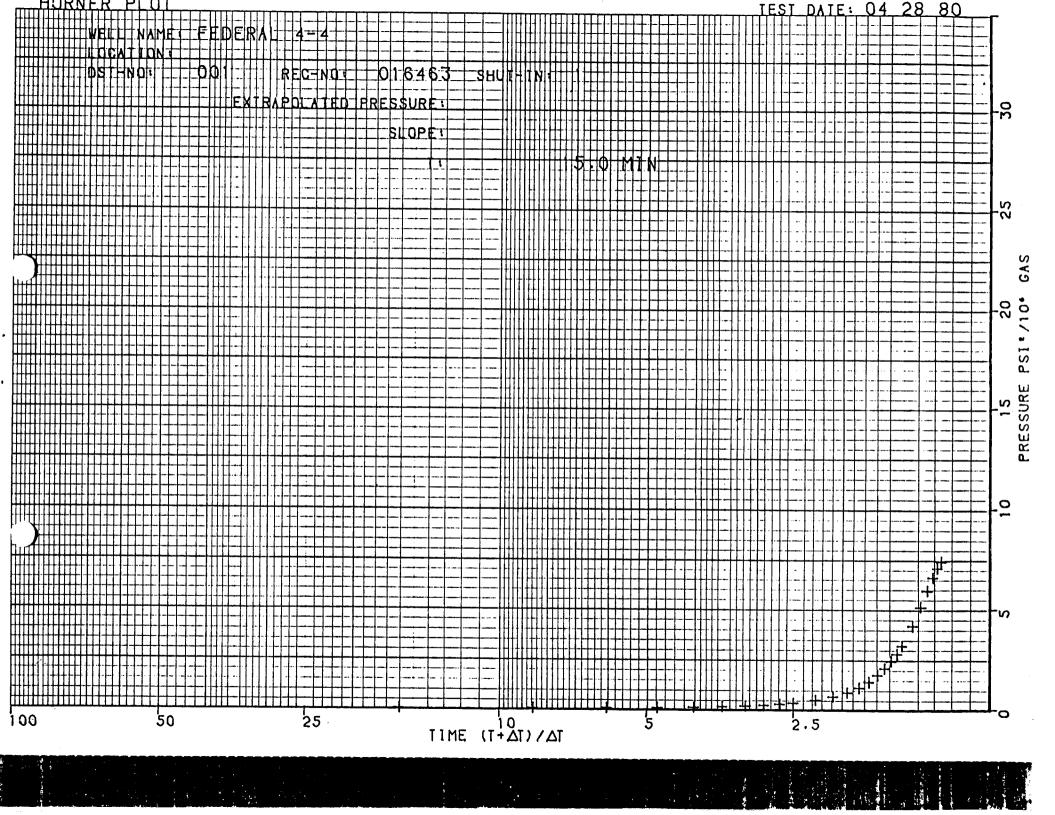
WELL OPERATOR - PACIFIC TRANSHISSION SUPPLY CO.

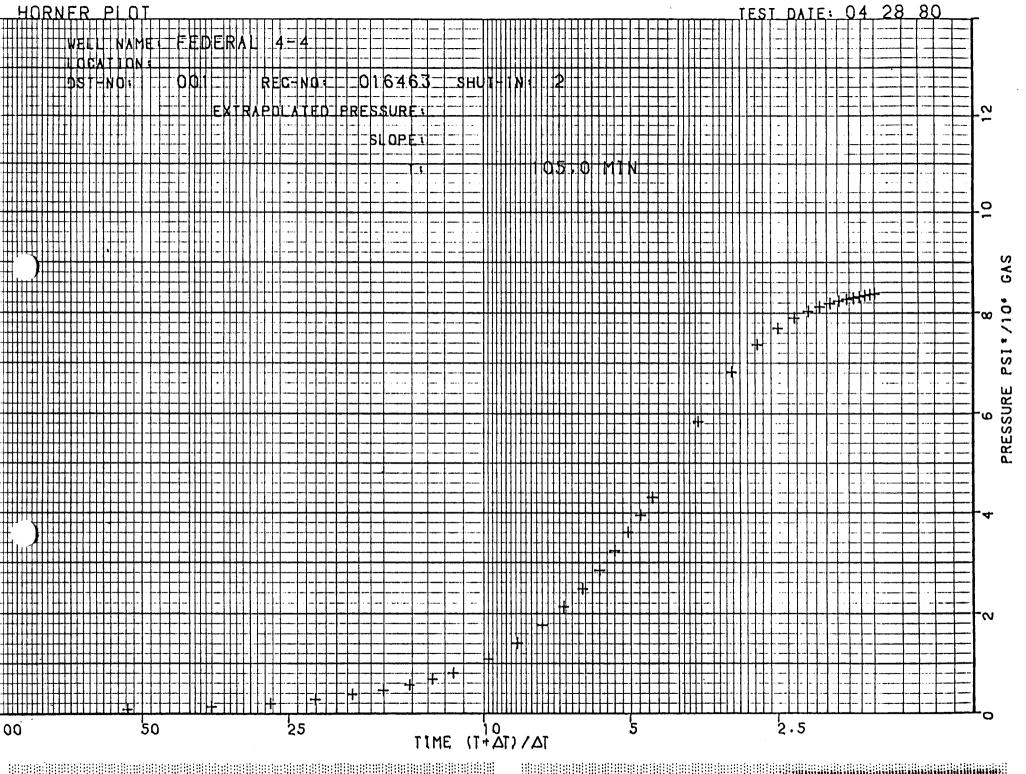
DST NUMBER - 1

RECORDER NUMBER - 16463

CALCULATIONS: SECOND SHUT IN

| EXTRAPOLATED RESERVOIR PRESS.(PSIG) | 2955.7 |
|--|--------|
| NO. OF POINTS ENTERED | 13.0 |
| NO. OF POINTS USED IN EXTRAPOLATION | 6.0 |
| ROOT HEAN SQUARE DEVIATION OF BEST FIT LINE(PSI) . | .001 |
| TOTAL FLOW TIME(MIN) | 105.0 |
| TRANSHISSIBILITY(MD-FT/CP) | 4.7 |
| IN SITU CAPACITY(ND-FT) | .1 |
| AVERAGE EFFECTIVE PERHEABILITY(MD) | .01 |
| RADIUS OF INVESTIGATION(FT) | 1.0 |
| ACTUAL CAPACITY(HD-FT) | .0 |
| ESTINATED DAMAGE RATIO | 1.0 |
| MAXIMUM AOF(MCF/D) | 10.2 |
| HINIHUH AOF(HCF/D) | 10.2 |
| MAXIMUM ADF DAMAGE REMOVED(MCF/D) | 10.2 |
| MINIMUM AOF DAMAGE REMOVED(MCF/D) | 10.2 |
| DRAWDOWN FACTOR(%) | |
| POTENTIONETRIC SURFACE(FT) | 5986.1 |





Gas Volume Report

| | Pacif: | ic Transmiss | ion Lease & No | Feder | al #4-4 | DST No | |
|------|--------|--------------|----------------|--------------|----------|--------------|-------|
| Ope | Supply | y Company | | | | | |
| | Final | Flow: | | | | Orifice Size | MCF/D |
| Min. | PSIG | Orifice Size | MCF/D | Min. | PSIG | Office Size | |
| 35 | 2 | 1/4" | 12.7 | | | | |
| 40 | 2 | 11 | 12.7 | | | | |
| 45 | 2 | 11 | 12.7 | | | | |
| 50 | 2 | 11 | 12.7 | | | - | |
| _55 | 1 | 11 | 8.95 | | | | |
| 60 | 1 | 11 | · 8.95 | | | ' | |
| _65 | 1 | 11 | 8.95 | | | | |
| 70 | 1 | 11 | 8.95 | | | · | |
| _75 | 1 | 11 | 8.95 | | <u> </u> | | |
| 80 | 11 | ţi . | 8.95 | | | | |
| _85 | 1 | ** | 8.95 | | | | |
| 90 | 1 | " | 8.95 | | | | |
| | | | | | | | |
| | | | | _ | | · | |
| | | | | | - | | |
| | | | | | | | |
| | | | | | | | |
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| _ | | | | | | | |
| | | | | | | | |
| _ | | | | | | | |

Remarks:

Sampler Report

| mpanyP | acific | Transmissio | on Supply C | o | Date | 4-28-80 | |
|------------------------|--------|------------------------|-------------|-------------|------------------|---------|---------|
| ell Name & NoF | | | | | | | |
| ountyU | | | | | | | |
| st Interval 6 | 188-62 | 37' | | *** | DST No | | |
| Total Volume of Sample | | | | | | | |
| Total Volume of Sample | : | 1900 | | | : | | cc. |
| Pressure in Sample | | • | | | | | psig |
| Oi | l: | None | • | | | | сс. |
| Wate | ·: | None | | | | | сс. |
| Muc | l: | 1900 | | | | | сс. |
| Ga | s: | .1 | | | | | cu. ft. |
| Othe | r: | None | | <u>,</u> | | | |
| Sample R.W. | : | .6 @ 83 ⁰ F | r = 10000 p | om. cl. | | | , |
| | | | Resistivit | y | | | |
| Make Up Water Fre | sh | @ | | of C | hloride Content_ | | ppm. |
| Mud Pit Sample R.W | | | _ | | | | |
| Gas/Oil Ratio | | | | | | | |
| Where was sample drain | ed | On location | • | | | | |
| Remarks: | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | ···· | | | | | |
| | | | | | | | |

UNES, INC.

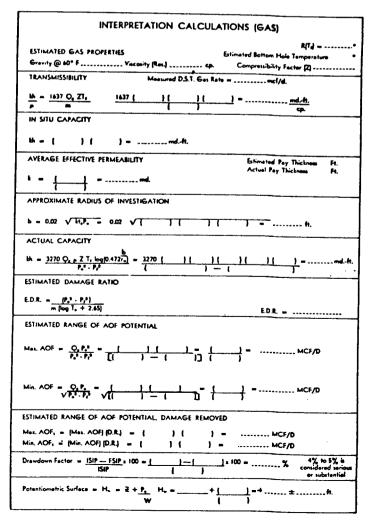
Distribution of Final Reports

| Operator Pac | ific Transmission Supply Co. Well Name and No. Federal #4-4 |
|--------------|---|
| Original: | Pacific Transmission Supply Co., 717 17th St., 2300 Energy Center 1, |
| | Denver, Co. 80202 Attn: J.L. Wroble |
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| | 80202 Attn: R.W. Sharp |
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NOMENCL URE (Definition of Symbols)

- Q = average production rate during test, bbls./day
- Q_e = measured gas production rate during test, MCF/day
- permeability, md
- h = net pay thickness, ft. (when unknown, test interval is chosen)
- # = fluid viscosity, centipoise
- Z = compressibility factor
- T_f = reservoir temperature, O Rankine
- m = slope of final SIP buildup plot, psig/cycle (psig²/cycle for gas)
- b = approximate radius of investigation, feet
- r. = wellbore radius, feet
- t. = total flowing time, minutes
- P. = Extrapolated maximum reservoir pressure, psig
- P_t = final flowing pressure, psig
- P.I. = productivity index, bbls./day/psi
- P.I. = theoretical productivity index with damage removed, bbl./day/psi
- D.R. = damage ratio
- E.D.R. = estimated damage ratio
- AOF = absolute open flow potential, MCF/D
- AOF_t = theoretical absolute open flow if damage were removed
- ₹ = subsea depth
- W = water gradient based on salinity
- H. = potentiometric surface

| AVERAGE PRODUCTION RATE DURING TEST | | | |
|---|--|--|--|
| ■ 1440 (drill color capacity a recovery 4 drill pipe capac a recovery) existed four time 4 final four time | | | |
| | | | |
| - 140[[] | | | |
| 1 1+() | | | |
| = 1440 (.0.145 or .0073) } Mud Expension = | | | |
| (Pol Coller Convenien) | | | |
| - bbh./day h Conidered | | | |
| FLUID PROPERTIES . Estimated Bottom Hole Temperature • | | | |
| API Gravity @ 40° F | | | |
| TRANSMISSIBILITY | | | |
| bb = 162 AQ = 162 A [] =mdft/cp | | | |
| IN SITU CAPACITY | | | |
| 6h = { }{ }=md.ft. | | | |
| AVERAGE EFFECTIVE PERMEABILITY Estimated Pay Thickness Fr. | | | |
| b = Actual Pay Thickness Pt. | | | |
| PRODUCTIVITY INDEX | | | |
| P1 = 0 = () =bbl/day-psi | | | |
| DAMAGE RATIO | | | |
| D.R. = 0.183 [P ₁ · P ₂] = 0.183 [{ } _ { }] | | | |
| PRODUCTMITY INDEX WITH DAMAGE REMOVED | | | |
| PJ., = PJ. s D.R. = { } { } =bbl/day-pai | | | |
| APPROXIMATE RADIUS OF INVESTIGATION | | | |
| b = √ (), = √ () = | | | |
| Drowdown Factor = 1.51.P F.51.P. s 100 = 1 1 100 = 7 4% to 5% is considered serious or substantial | | | |
| Potentiametric Surface = H _u = Z + P _o h _u = | | | |

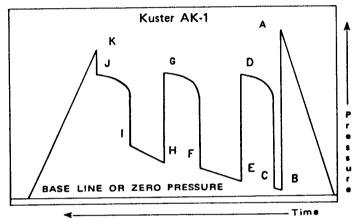




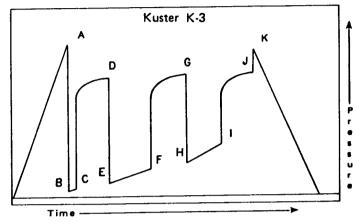
GUIDE TO INTERPRETATION AND IDENTIFICATION OF LYNES DRILL STEM TEST PRESSURE CHARTS

In making any interpretation, our employees will give Customer the benefit of their best judgment as to the correct interpretation. Nevertheless, since all interpretations are opinions based on inferences from electrical, mechanical or other measurements, we cannot, and do not, guarantee the accuracy or correctness of any interpretations, and we shall not be liable or responsible, except in the case of gross or wilful negligence on our part, for any loss, costs, damages or expenses incurred or sustained by Customer resulting from any interpretation made by any of our agents or employees.

AK-1 recorders. Read from right to left.



K-3 recorders. Read from left to right.



A - Initial Hydrostatic

B - First Initial Flow

C - First Final Flow

D - Initial Shut-in

E - Second Initial Flow

F - Second Final Flow

G - Second Shut-in

H - Third Initial Flow

- Third Final Flow

J — Third Shut-in

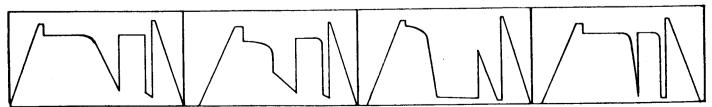
K - Final Hydrostatic



Very low permeability. Usually only mud recovered from interval tested. Virtually no permeability.

Slightly higher permeability. Again usually mud recovered. Slightly higher permeability. Small recovery, less than 200 ft). Average permeability. Final and initial shutins differ by 50 psi.

Average permeability. Strong damage effect. High shut-in pressure, low flow pressure.



Excelent permeability where final flow final shut-in pressure.

High permeability where ISIP and FSIP are within 10 psi.

Deep well bore invasion or damage. Final shut-in higher than the initial shut-in.

Tight hole chamber tester. Permeability very difficult to interpret unless the recovery is less than chamber length. Flow pressure builds up rapidly if recovery is large, similar to a shut-in.

Box 12486 Houston, TX 77017

Operator

Pacific Transmission Supply Co.

Well Name and No.

Federal #4-4

No. Final Copies

Ticket

| Contractor_ | Olsen Drilling |
|-------------|----------------|
| Rig No. | 2 |
| Spot | NW-SE |
| Sec | 4 |
| Twp | 10 S |
| Rng. | 23 E |
| Field | Wildcat |
| County | Uintah |
| State | Utah |
| Elevation_ | 5328' "K.B." |
| Formation_ | |

| Top Choke | 1/4" |
|------------------|--------------|
| | 9/16" |
| Size Hole | 7 7/8" |
| Size Rat Hole | |
| Size & Wt. D. P. | 4 1/2" 16.60 |
| | |
| 1. D. of D. C | 2 1/2" |
| Length of D. C | 540 |
| _ | 8240' |
| • | 8106-8240' |
| | Bottom Hole |
| | Conventional |

| Flow No. 1 | 20 | Min. |
|----------------|----|------|
| Shut-in No. 1_ | 60 | Min. |
| Flow No. 2 | 90 | Min. |
| Shut-in No. 2_ | | Min. |
| Flow No. 3 | | Min. |
| Shut-in No. 3_ | | Min. |

| Bottom Hole Temp | 177 ⁰ F | |
|---------------------|--------------------|--|
| Mud Weight | | |
| Gravity | | |
| Viscosity | 46 | |

Tool opened @_

| - Laborator | | |
|-------------|-----|---|
| | | , |
| • | F E | |

| corder |
|----------------|
| (-1 |
| <u>@ 8090'</u> |
| Corrected |
| 5020 |
| 4906 |
| 555 |
| 551 |
| 2572 |
| 502 |
| 649 |
| 2061 |
| |
| |
| |
| |
| |

Lynes Dist .: Rock Springs, Wyo Our Tester: Steve Ogden Witnessed By: Joe Monce

Did Well Flow - Gas <u>yes Oil no</u> Water <u>no</u>

RECOVERY IN PIPE:

1470' Total fluid

180' Drilling mud = 2.56 bbl.

1290' Water = 13.94 bbl.

Top Sample R.W.:

1.0 @ 70°F = 6,000 ppm. Cl. .55@ 75°F = 10,000 ppm. Cl. .55@ 75°F = 10,000 ppm. Cl.

Middle Sample R.W.:

Bottom Sample R.W.:

Blow Description:

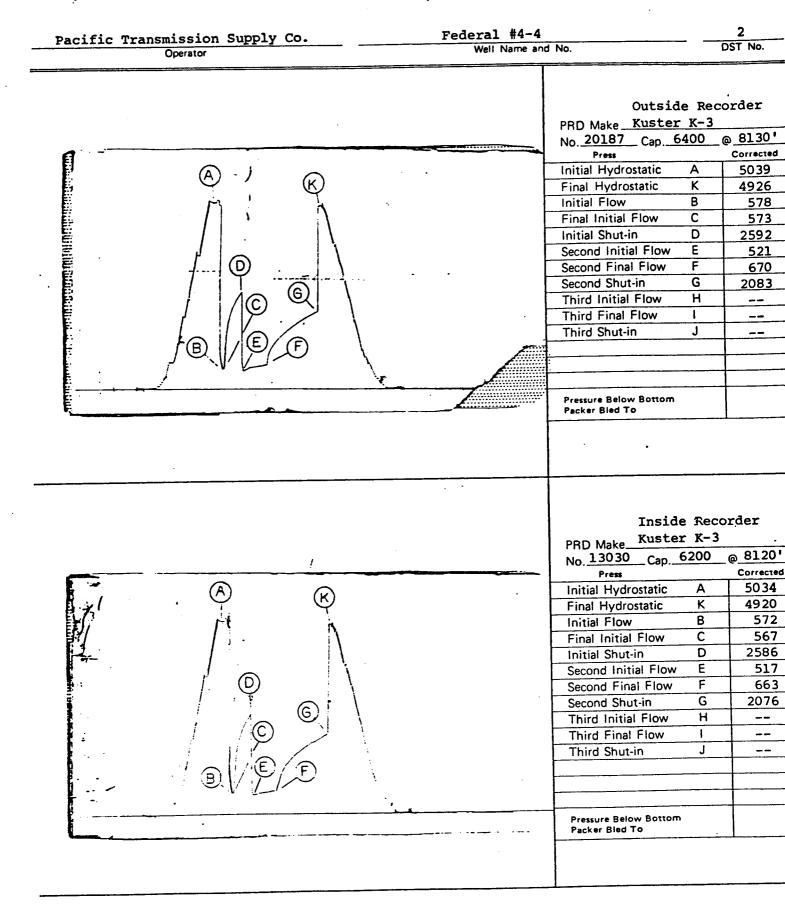
1st flow:

Tool opened with a weak blow; increased to bottom of bucket in 45 second and continued to increase to 35 psi. in 5 minutes with

gas to surface in 9 minutes. See gas volume report.

2nd Flow:

Tool opened with gas to surface; see gas volume report.



| RESERVE TEMP | _37.000 | BITH HOL THP | 177.06 | SPEC GRAVITY | .700 |
|--------------|---------|--------------|--------|--------------|-----------|
| VISCOSITY | | Z FACTOR | .850 | DST GAS RATE | 61.380 |
| WELL RADIUS | .328 | PAY THICKNES | 10.000 | SUBSEA DEPTH | -2762.000 |
| HATER GRADNI | . 433 | | | | |

REPORT \$2978

WELL NAME - FEDERAL 4-4

WELL OPERATOR - PACIFIC TRANSMISSION SUPPLY CO.

DST NUMBER - 2

RECORDER NUMBER - 3604

CALCULATIONS: SECOND SHUT IN

| · | |
|---|--------|
| EXTRAPOLATED RESERVOIR PRESS.(PSIG) | 747.0 |
| NO. OF POINTS ENTERED | 10.0 |
| NO. OF POINTS USED IN EXTRAPOLATION | 4.0 |
| ROOT HEAN SQUARE DEVIATION OF BEST FIT LINE(FSI) . | .001 |
| TOTAL FLOW TIME(HIN) | 10.0 |
| TRANSHISSIBILITY(MD-FT/CP) | 3.4 |
| IN SITU CAPACITY(HD-FT) | •1 |
| AVERAGE EFFECTIVE PERMEABILITY(MD) | .01 |
| RADIUS OF INVESTIGATION(FT) | 1.0 |
| ACTUAL CAPACITY(KD-FT) | .0 |
| ESTIMATED DAMAGE RATIO | •1 |
| MAXIMUM AOF(MCF/D) | 65.0 |
| HINIHUM AOF(HCF/D) | 63.2 |
| DRAWNOWN FACTOR(%) | 12.2 |
| POTENTIONETRIC SURFACE(FT) | 582.0 |
| Pacific Transmission Supply Co., Federal #4-4, DST #2 Report #2978 | В |
| Comments relative to the analysis on DST #2 on the above mentioned should be disregarded. | d well |

"Steady-State" conditions were not achieved during either Initial & Final shut-in periods, therefore, the calculated reservoir parameters should be

considered as indicators only.

WELL NAME: FEDERAL 4-4

DST NUMBER: 002

RECORDER NUMBER: 003604

INTERVAL TESTED: 8240FT TO 8106FT

RECORDER DEPIH: 3090,001FT

TOTAL FLOW TIME: 20.0HIN

FIRST SHUT IN PRESSURE (GAS)

| TIHE (HIN) | ([+PHI) | PRESSURE | PRESSURE |
|------------|---------|-----------|--------------|
| PHI | /PHI | (PSI) | (PSI^2)/10^6 |
| | | | |
| • 0 | ,0000 | 551.0 | .30360 |
| 1.0 | 21.0000 | 597.0 | .35641 |
| 2.0 | 11.0000 | 891.0 | .79388 |
| 3.0 | 7.6667 | 1180.0 | 1.39240 |
| 4.0 | 8.0000 | 1347.0 | 1.81441 |
| 5.0 | 5.0000 | 1437.0 | 2.06497 |
| 6.0 | 4.3333 | 1511.0 | 2.28312 |
| 7.0 | 3.8571 | 1564.0 | 2.44610 |
| 8.0 | 3.5000 | 1825.0 | 2.64062 |
| 9.0 | 3.2222 | 1674.0 | 2.80228 |
| 10.0 | 3,0000 | 1718.0 | 2.95152 |
| 12.0 | 2.6667 | 1794.0 | 3.21844 |
| 14.0 | 2,4286 | 1865.0 | 3.47822 |
| 16.0 | 2,2500 | 1926.0 | 3.70948 |
| 18.0 | 2,1111 | 1980.0 | 3.92040 |
| 20.0 | 2.0000 | 2027.0 | 4.10873 |
| 22.0 | 1.9091 | 2072.0 | 4.29318 |
| 24.0 | 1.8333 | 2113.0 | 4.46477 |
| 26.0 | 1.7692 | 2152.0 | 4.63110 |
| 28.0 | 1.7143 | 2189.0 | 4.79172 |
| 30.0 | 1.6667 | 2221.0 | 4.93284 |
| 35.0 | 1.5714 | 2292.0 | 5.25326 |
| 40.0 | 1.5000 | 2356.0 | 5.55073 |
| 45.0 | 1.4444 | 2413.0 | 5.82257 |
| 50.0 | 1.4000 | 2468.0 | 6.09102 |
| 55.0 | 1.3636 | 2521.0 | 6.35544 |
| 60.0 | 1.3333 | 2572.0 | 6.61518 |
| 00.0 | 1.0000 | 2.57 2.74 | |

The initial shut-in pressure build-up curve has insufficient character to permit the use of a Horner plot to determine a reliable extrapolated shut-in pressure.

DST RUMBER: 002

RECORDER NUMBER: 003604

INTERVAL TESTED: 8240FT TO 8106FT

RECORDER DEPTH: 8090,001FT

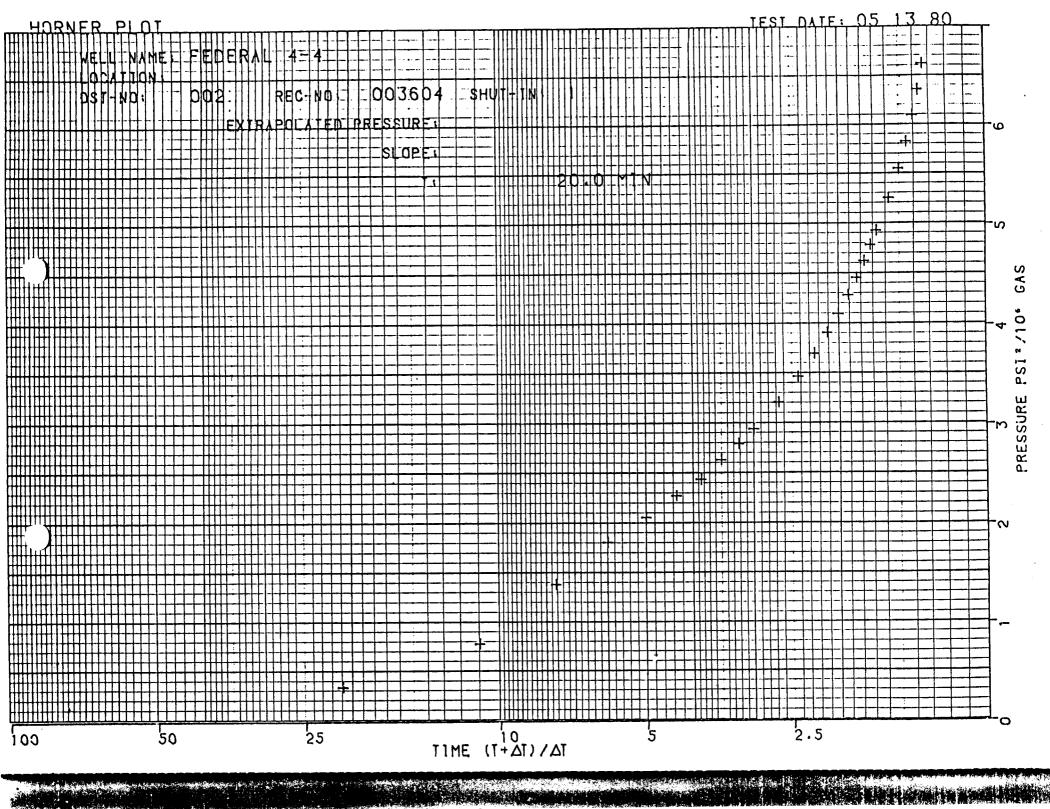
TOTAL FLOW TIME: 110.0MIN

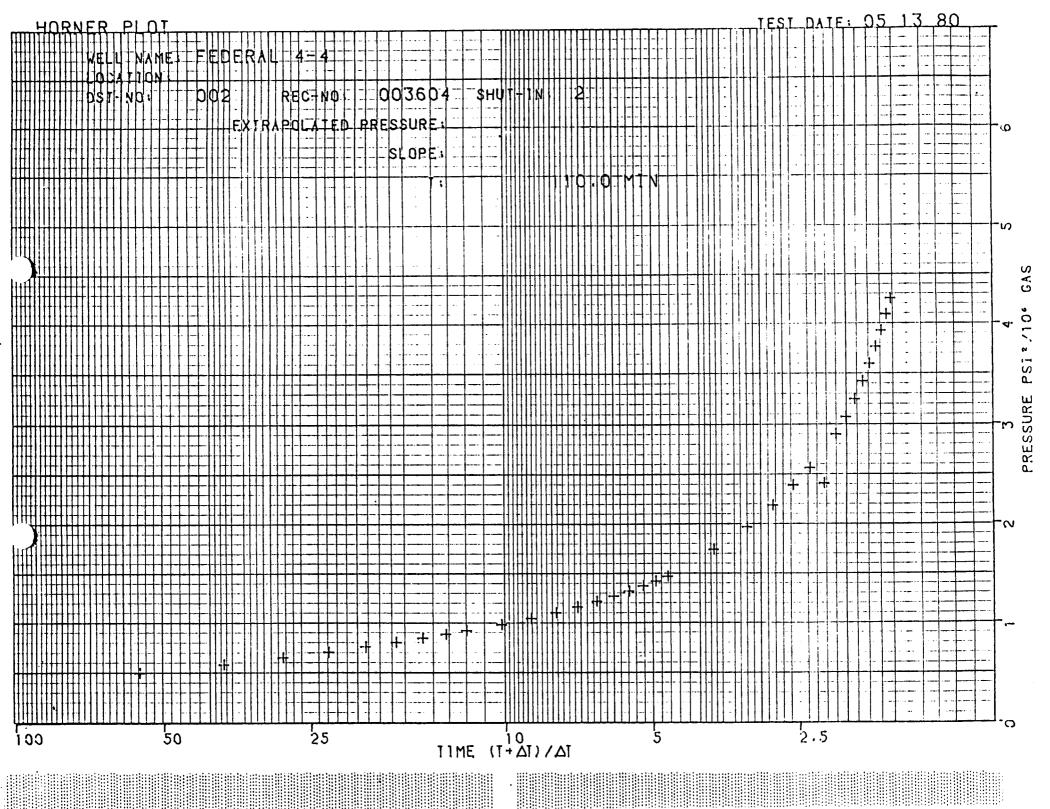
SECOND SHUT IN PRESSURE (GAS)

| TIME (MIN) | (F+PHI) | PRESSURE | PRESSURE |
|------------|----------|----------|---------------------|
| | | (PSI) | (FSI^2)/10~6 |
| PH1 | /PHI | (1,21) | (131 2//10 0 |
| .0 | .0000 | 649.0 | .42120 |
| 1.0 | 111.0000 | 670.0 | .44890 |
| 2.0 | 56,0000 | 713.0 | .50837 |
| 3.0. | 37.6667 | 769.0 | .59136 |
| 4.0 | 28.5000 | 813.0 | •660 9 7 |
| 5.0 | 23.0000 | 845.0 | .71402 |
| 6.0 | 19.3333 | 376.0 | .76738 |
| 7.0 | 16.7143 | 900.0 | .81000 |
| 8.0 | 14.7500 | 923.0 | .85193 |
| 9.0 | 13.2222 | 943.0 | .88925 |
| 10.0 | 12,0000 | 962.0 | .72544 |
| 12.0 | 10.1667 | 992.0 | .98406 |
| 14.0 | 3.8571 | 1022.0 | 1.04448 |
| 16.0 | 7.8750 | 1050.0 | 1.10250 |
| 18.0 | 7.1111 | 1078.0 | 1.13208 |
| 20.0 | 6.5000 | 1103.0 | 1.21661 |
| 22.0 | 6,0000 | 1126.0 | 1.26788 |
| 24.0 | 5.5833 | 1148.0 | 1.31790 |
| 26.0 | 5.2308 | 1170.0 | 1.36890 |
| 28.0 | 4.9286 | 1190.0 | 1.41610 |
| 30.0 | 4.6667 | 1209.0 | 1.46168 |
| 40.0 | 3.7500 | 1316.0 | 1.73186 |
| 50.0 | 3.2000 | 1399.0 | 1.95720 |
| 60.0 | 2.8333 | 1475.0 | 2.17562 |
| 70.0 | 2.5714 | 1543.0 | 2.38085 |
| 80.0 | 2.3750 | 1598.0 | 2.55360 |
| 90.0 | 2.2222 | 1549.0 | 2.37940 |
| 100.0 | 2.1000 | 1700.0 | 2.89000 |
| 110.0 | 2.0000 | 1750.0 | 3.06250 |
| 120.0 | 1.9167 | 1800.0 | 3.24000 |
| 130.0 | 1.8462 | 1848.0 | 3.41510 |
| 140.0 | 1.7857 | 1895.0 | 3.59102 |
| 150.0 | 1.7333 | 1937.0 | 3.75972 |
| 160.0 | 1.6875 | 1980.0 | 3.92040 |
| 170.0 | 1.6471 | 2021.0 | 4.08444 |
| 180.0 | 1.6111 | 2061.0 | 4.24772 |

SLOPE: 15923066.00

EXTRAPOLATED PRESSURE: 2746.96





Gas Volume Report

Pacific Transmission

| Fi: | rst Flov | 7: | | Sec | ond Flow | | |
|-------|----------|--------------|-------|------|----------|--------------|-------|
| √lin. | PSIG | Orifice Size | MCF/D | Min. | PSIG | Orifice Size | MCF/D |
| 9 | 50 | 1/4" | 89.7 | 5 | 2 | 1/4" | 12.7 |
| 0 | 60 | *1 | 103.6 | 10 | 19 | ** | 45.5 |
| 5 | 80 | " | 131.4 | 15 | 34 | | 67.5 |
| 0 | 90 | ., | 145.3 | 20 | 44 | •• | 81.2 |
| | | | | 25 | 47 | 11 | 85.5 |
| ļ | | | • | 30 | 44 | 11 | 81.2 |
| | | | | 35 | 40 | 91 | 75.8 |
| | | | | 40 | 37 | ,, | 71.8 |
| | | | | 45 | 35 | " | 69.0 |
| | | | | 50 | 33 | 11 | 66.2 |
| | | | | 55 | 30 | 11 | 61.9 |
| | | | | 60 | 28 | •• | 59.0 |
| | | | | 65_ | 27 | 81 | 57.7 |
| | | | | 70 | 26 | 41 | 56.3 |
| | | · | | 90 | 24 | 11 | 53.2 |
| | | | | 85 | 22 | 11 | 50.2 |
| | | | | 90 | 21 | 11 | 48.7 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

Remarks:

Sampler Report

| mpany | Pacific | Transmiss | sion | Supply Co. | | Date | 5-13-80 | |
|--|----------------|-----------|------|------------|-------------|------------------|---------------------------------------|--------|
| il Name & No | Federal | #4-4 | | | | _ Ticket No | 20722 | |
| | ****** | | | | | State | Utah | |
| st Interval | 0106 026 | | | | | | 2 | |
| | | | | | | | | |
| Total Volume | of Sampler:_ | 2100 | | | | | | сс. |
| Total Volume | of Sample: | 1400 | | | | | | сс. |
| Pressure i | n Sampler: | 300 | | | | | | psig |
| | Oil: _ | None | | | | | | сс. |
| | Water: | 1400 | | | | | | сс |
| | Mud: | None | | | | | | сс |
| | Gas: | 25 | | | | | | cu. ft |
| | | | | | | | | |
| | Other: _ | | | | | | | |
| | | Sample | K.W | Resistiv | | oo ppm. cr. | | |
| | | | | | | | | |
| Mud Pit Samp | le <u>R.W.</u> | 10.0 | _ @_ | 70°F | of C | Chloride Content | 6000 | ppm |
| Gas/Oil Ratio_ | · | | | Gravity | | | OAPI @ | 01 |
| | | | | on | | | | |
| | | | | | ,,, | | · · · · · · · · · · · · · · · · · · · | |
| Remarks: | | | | | | | | |
| nemarks. | | | | | | | | |
| | | | | | | | | |
| Annual Annua | | | · | | | | | |
| | | | | | | | | |
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| | | | | | | | | |

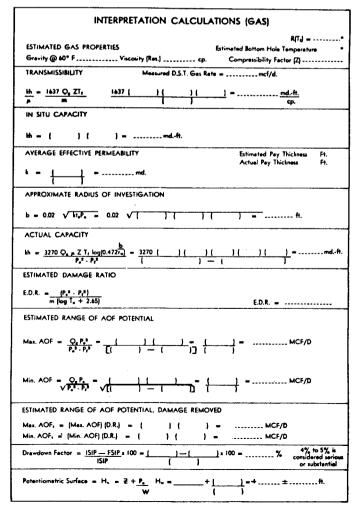
Distribution of Final Reports

| Operator Pac | ific Transmission Supply CoWell Name and NoFederal #4-4 |
|--------------|---|
| Original: | Pacific Transmission Supply Co., 717 17th St., 2300 Energy Center 1, |
| | Denver, Co. 80202 Attn: J.L. Wroble |
| 1 copy: | Pacific Transmission Supply Co., P.O. Box 3093, Casper, Wyoming 82602 |
| | Attn: D.E. Beardsley |
| 1 copy: | Pacific Transmission Supply Co., 245 Market St., Rm 1326. San Francisco, |
| | Ca. 94105 Attn: e.R. Henry |
| 1 copy: | Pacific Transmission Supply, 85 South, 200 East, Vernal, Utah 84078 |
| | Attn: R.J. Firth |
| 1 copy: | U.S.G.S., Conservations, Division, 2000 Administration Bldg., 1745 West, |
| | 1700 South, Salt Lake City, Utah 84104 |
| 1 copy: | Ralph E. Davis & Associates, 100 Jefferson, Suite 2031, Houston, Tx. 77002 |
| | Attn: J. Milan Wege |
| 1 copy: | Ensearch Exploration, Inc., 1322 Metrobank Bldg., 475 17th St., Denver, Co. |
| | 80202 Attn: R.W. Sharp |
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NOMENCLATURE (Definition of Symbols)

- Q = average production rate during test, bbls./day
- Q_{κ} = measured gas production rate during test, MCF/day
- k = permeability, md
- h = net pay thickness, ft. (when unknown, test interval is chosen)
- # = fluid viscosity, centipoise
- Z = compressibility factor
- T_f = reservoir temperature, Rankine
- m = slope of final SIP buildup plot, psig/cycle (psig²/cycle for gas)
- b = approximate radius of investigation, feet
- r_w = wellbore radius, feet
- t. = total flowing time, minutes
- P. = Extrapolated maximum reservoir pressure, psig
- P_f = final flowing pressure, psig
- P.I. = productivity index, bbls./day/psi
- P.I. = theoretical productivity index with damage removed, bbl./day/psi
- D.R. = damage ratio
- E.D.R. = estimated damage ratio
- AOF = absolute open flow potential, MCF/D
- AOF_t = theoretical absolute open flow if damage were removed
- ₹ = subsea depth
- W = water gradient based on salinity
- H_w = potentiometric surface

| AVERAGE PRODUCTION RATE DURING TOWN recovery + drill pipe capac, a recovery drill pipe capacity drill pipe | INTERPRETATION CALCULATIONS (| OIL/WATER) |
|---|---|--|
| | AVERAGE PRODUCTION RATE DURING TEST | |
| | Q = 1440 [drill coller capacity a recovery + drill pipe capa initial flow time + final flow time | c. a recovery) |
| | | |
| FLUID PROPERTIES | 1 1 | Mud Expension =ft, (Drift Coller Conversion) Is Considered |
| TRANSMISSIBILITY | FLUID PROPERTIES Estimates | f Bottom Hole Temperature * |
| Mathematical Pays Math | API Gravity @ 60° F° Specific Gravity @ 60° F. | Est. Viscosity cp |
| IN SITU CAPACITY th = { } | TRANSMISSIBILITY | |
| Stimated Pay Thickness Ft. | <u>bh</u> = 162.6Q = 162.6 [] = | ndft/cp |
| AVERAGE EFFECTIVE PERMEABILITY L = | IN SITU CAPACITY | , |
| Actual Pay Thickness Ff. PRODUCTIVITY INDEX PI = | bh = { }{ }=md.ft. | |
| | AVERAGE EFFECTIVE PERMEABILITY | |
| PI = Q = { } =bbl./day.psi DAMAGE RATIO D.R. = 0.183 [P ₀ - P ₀] = 0.183 [| k = { md. | Actual Pay Thickness Ft. |
| P ₁ · P ₁ | PRODUCTIVITY INDEX | |
| D.R. = 0.183 [P _a - P _d] = 0.183 [{ } - { }] = | $P_1 = $ | bbl./day-psi |
| PRODUCTIVITY INDEX WITH DAMAGE REMOVED P.I. ₁ = P.I. ± D.R. = { } { } = | DAMAGE RATIO | |
| P.I. ₁ = P.I. ₂ D.R. = { } { } =bbl./dey-psi APPROXIMATE RADIUS OF INVESTIGATION b = √H ₀ = √ { } | D.R. = 0.183 [P ₂ - P ₂] = 0.183 [() — ()]= | |
| APPROXIMATE RADIUS OF INVESTIGATION b = \sqrt{B_0} = \sqrt{1} = \delta ft. Drewdown Factor = \frac{1.5.1.P F.5.1.P. \text{ = 100} = \text{ 100} = \delta \text{ 100} = \delta \ | PRODUCTIVITY INDEX WITH DAMAGE REMOVED | |
| b = $\sqrt{16}$ = $\sqrt{\frac{4\%}{15}}$ to 5% is considered serious or substential | P.t., = P.t. + D.R. = { } [] =bbl./ | day-psi |
| Drawdown Factor = 1.5.1.P. + 5.1.P. x 100 = 1 1 x 100 = 7 (4%, to 5% is considered serious or substential | APPROXIMATE RADIUS OF INVESTIGATION | |
| | b = VH ₀ = V) =ft. | |
| Potentiometric Surface = H ₀ = 2 + P ₀ h ₀ =+ () =+±ft. | Drawdown Factor = 1.5.1.P F.S.1.P. s 100 = () — () | x 100 = % 4% to 5% is considered serious or substantial |
| | Potentiometric Surface = H _o = Z + P _o h _o =+ (| |



NATURAL GAS CORPORATION OF CALIFORNIA

308 DURBIN CENTER BUILDING 145 SOUTH DURBIN STREET P. O. BOX 3093 CASPER, WYOMING 82602 (307) 265-1027

May 29, 1980

GEOLOGICAL SURVEY-CONSERVATION DIV. 2000 Administration Bldg. 1745 W. 1700 S. Salt Lake City, UT 84104 Attn: E. W. Guynn

DIVISION OF OIL GAS & MINING 1588 West North Salt Lake City, UT 84116 Attn: Mr. Frank Hamner

ENSERCH EXPLORATION, INC. Metrobank Bldg., Suite 1322 Denver, CO 80202 Attn: Mr. R. W. Sharp

> PTS #4-4 Federal Re: Section 4, T10S, R23E Uintah County, Utah

Gentlemen:

Please find attached your required number of copies of the Geological Well Report for the above referenced well.

Very truly yours,

Dec. E. Beardsley/mil

DEE E. BEARDSLEY MANAGER OF OPERATIONS

DEB/mel

JCOsmond cc:

ERHenry RJFirth

Degolyer & MacNaughton

CTClark (cover letter only)

DIVISION OF OIL, GAS & MINING

NATURAL G. CORPORATION OF CALIFORNIA

OPERATIONS HEADQUARTERS
308 DURBIN CENTER BUILDING
145 SOUTH DURBIN STREET
P. O. BOX 3093
CASPER, WYOMING 82602
(307) 265-1027

May 30, 1980

Mr. E. W. Guynn GEOLOGICAL SURVEY-CONSERVATION DIV. 2000 Administration Bldg. 1745 W. 1700 S. Salt Lake City, UT 84104

Mr. Frank Hamner DIVISION OF OIL, GAS & MINING 1588 West North Temple Salt Lake City, UT 84116 DECEIVED
JUN 2 1980

DIVISION OF OIL, GAS & MINING

Re: PTS #4-4 Federal Southman Canyon Sec. 4, T10S, R23E

Uintah Co., Utah

Gentlemen:

I am enclosing your required number of copies of the Hydrostatic Pressure Test, Blowout Control Equipment run by Yellow Jacket Tools and Services, Inc. on April 16, 1980, for the above referenced well.

Yours truly,

W. A. Ryan

Regulatory Coordinator

/pv

Encl.

cc: RJFirth

NATURAL GAS CORPORATION OF CALIFORNIA

OPERATIONS HEADQUARTERS
308 DURBIN CENTER BUILDING
145 SOUTH DURBIN STREET
P. O. BOX 3093
CASPER, WYOMING 82602
(307) 265-1027

GEOLOGICAL WELL REPORT

PACIFIC TRANSMISSION SUPPLY COMPANY

PTS #4-4 FEDERAL

SECTION 4, TOWNSHIP 10 SOUTH, RANGE 23 EAST UINTAH COUNTY, UTAH

Submitted by: John Fleming, Geologist
Natural Gas Corporation of Calif.
May 29, 1980



DIVISION OF OIL, GAS & MINING

WELL DATA

Pacific Transmission Supply Company

Operator: 1613 FSL and 1329 FEL

Legal Location: NW SE Section 4, T10S, R23E

Well Name: PTS #4-4 Federal

County and State: Uintah County, Utah

Elevations: GR 5316' KB 5330'

Contractor: Olsen Rig #2

Spud Date: 3/30/80

Dry Hole 4/4/80

Drilling Contractor:

Surface Casing: 13-3/8" to 195, 9-5/8" to 2765, 7-7/8" to 8670

Hole Size: 17-1/2" to 195'; 12-1/4" to 2765'

Fluids Contractor: American Mud Company

Drillstem Tests: #1 6188' to 6237' 9. MCF

#2 8106' to 8240' 53. MCF

#3 8372' to 8433' No gas to surface

Logging Data: 208' to 2765' DI - SFL, FDC - CNL, BHC, CBL

2765' to 8650' DI - SFL/GR & SP, FDC - CNL/GR, BHC Sonic/caliper

Mud Logging: Rocky Mountain Geo-Engineering Company

Cores:

Total Depth: 8670' Driller

8674' Logger

Ceased Drilling: May 19, 1980

CHRONOLOGICAL WELL HISTORY

| <u>Date</u> | Drilled to | Hrs. Drilling | <u>Activity</u> |
|-------------------------------|--------------------------|----------------------------|--|
| 4/04/80 | 195' | 10 | Drill out below surface casing at 8:00 PM. |
| 4/05/80 4/06/80 4/07/80 | 468' 1139' 1532' | 9-1/4 22-1/2 22 | Pickup Drill collars. Drilling 12-1/4" Hole. Lost returns at 1450'. |
| 4/08/80 4/09/80 | 1573' 1573' | 3 0 11-3/4 | Set two plugs at 1573'. Set two more plugs. Drill cement, Lost returns at 1804', |
| 4/10/80 4/11/80 | 1804' 1804' | 0 | Set plug #5. Set plugs #6 & 7, drilling cement. |
| 4/12/80 | 1948' | 13 | Lost Returns at 1651'-1750', mixed LCM, drilling. Drilling ahead. |
| 4/13/80 4/14/80 4/15/80 | 2232' -2616' 2768' | 20-1/4 21-1/4 16-1/4 | Drilling, BGG 200-300 units. Trip for Logs. |
| 4/16/80 4/17/80 | 2768' 2768' | 0 0 | Completed Logs. Running 9-5/8" casing. |
| 4/18/80 4/19/80 | 2909' 3510' | 6 22-1/4 22 | Run CBL, Drilled cement. Drilling ahead BGG 5 units. Drilling 7-7/8" hole. |
| 4/20/80 4/21/80 4/22/80 | 4169' 4580' 4911' | 22-1/4 22-1/2 | Drilling. Drilling. |
| 4/23/80 4/24/80 | 5055' 5436' | 9-1/2 23-1/4 | Trip for Bit #3, Rig Repair. Drilling. |
| 4/25/80 4/26/80 | 5749' 5920' | 21 17 21-1/2 | Drilling, worked tight hole. Trip for hole in pipe. Drilling with Bit #4. |
| 4/27/80 4/28/80 4/29/80 | 6141' 6237' 6281' | 8 6-1/2 | DST #1, 6188'-6237'. Complete test, Ream 40'. |
| 4/30/80 5/01/80 | 6425' 6653' | 15-1/2 22-3/4 | Trip for Hole in pipe. Drilling, BGG 60 units. |
| 5/02/80 5/03/80 | 6889' 7098' 7190' | 23-1/4 23-1/4 11 | Drilling, BGG 80 units. Drilling ahead. Trip for Hole in Pipe. |
| 5/04/80 5/05/80 5/06/80 | 7297' 7261' | 11-1/2 23 | Trip in with Bit #5. Drilling ahead BGG, 600 units. |
| 5/07/80 5/08/80 | 7696' 7907' | 23-1/4 23-1/4 17 | Drilling ahead. Drilling 300 units BGG. Prepare to trip for Bit #6, 4' flare. |
| 5/09/80 5/10/80 5/11/80 | 8038' 8042' 8240' | 1-1/2 12 | Drilling. Drilling, Lost mud through Gas Buster |
| 5/12/80 5/13/80 | 8240 ' 8240' | 0 0 8 1/3 | Prepare for DST #2. DST #2, 8106'-8240'(134'). Resume Drilling. |
| 5/14/80 5/15/80 5/16/80 | 8290' 8413' 8433' | 8-1/2 23-1/4 2-1/2 | Drilling. DST #3, 8372'-8433'. |
| 5/17/80 | 8490' | 12 | Resume Drilling. |

PTS #4-4 Federal Uintah County, Utah

CHRONOLOGICAL WELL HISTORY (Continued)

| 5/18/80 | 8568¹ | 14-1/2 | Trip for Hole in Pipe. |
|---------|-------|--------|---------------------------------|
| 5/19/80 | 8660' | 23-1/4 | Drilling ahead. |
| 5/20/80 | 8670' | 1-3/4 | Prepare to Log. |
| 5/21/80 | 8670' | 0 | Logging. |
| 5/22/80 | 8670' | 0 | Condition Hole, Wait on orders. |
| 5/23/80 | 8670' | 0 | Set casing at 8400'. |
| 5/24/80 | 8670' | . 0 | Released rig at 12:00 Midnight. |

BIT RECORD

| BIT NO. | TYPE | MFG | IN | OUT | HOURS | <u>FOOTAGE</u> |
|----------|------------|------------|-----------------|----------------|----------|----------------|
| #1 | M84F | SEC | 207' | 1573' | 56-3/4 | 1366' |
| #1 | M84F | SEC | 1573' | 1804' | 11-3/4 | 231' 964' |
| #1 | M84F | SEC | 1804.' 2763' | 2768' 4949' | 71 97 | 2186' |
| #2 #3 | F45 J44 | STC HTC | 4949' | 6237' | 98-1/4 | 1288' |
| #4 | J44 | HTC | 6237' | 7130' | 95-1/4 | 893' |
| #5 | J33 | HTC | 7130' | 80381 | 105 | 908' |
| #6 | F45 | STC | 8038 | 8433' | 53 | 401' |
| #7 | M84F | SEC | 8433' | 8670 ' | 52-1/2 | 237' |

DEVIATION SURVEY

| <u>Depth</u> | <u>Deviation</u> |
|--------------|------------------|
| 420' | 3/4 deg. |
| 710' | 3/4 deg. |
| 980' | 1-1/4 deg. |
| 1140' | 1-1/4 deg. |
| 1320' | 1 deg. |
| 3190' | 1-1/2 deg. |
| 3720' | 1-1/2 deg. |
| 4240' | 1-1/2 deg. |
| 7100' | 2-1/4 deg. |

September 4, 1980

Pacific Transmission Supply P.O. Box 3093
Casper Wyomoing 82602

Re: Well No. Federal 4-4
Sec. 4, T. 10S, R. 23E.
Uintah County, Utah

Gentlehen:

This letter is to advise you that the Well Completion or Recompletion Report and Log for the above mentioned well is due and has not been filed with this office as required by our rules and regulations.

Please complete the enclosed Form OGC-3, and forward it to this office as soon as possible.

Thank you for your cooperation relative to the above.

Very truly yours,

DIVISION OF OIL, GAS & MINING

JANICE TABISH CLERK-TYPIST November 25, 1980

Pacific Transmission Supply P.O. Box 3093 Casper Wyoming 82602

RE: Well No. Federal #4-4
Sec. 4, T. 10S, R. 23E.,
Uintah County, Utah
Second Request

Gentlemen:

This letter is to advise you that the Well Completion or Recompletion Report and Log for the above mentioned well is due and has not been filed with this office as required by our rules and regulations.

Please complete the enclosed Form OGC-3, in duplicate, and forward them to this office as soon as possible.

Thank you for your cooperations relative to the above.

Very truly yours,

DIVISION OF OIL, GAS AND MINING

BARBARA HILL CLERK TYPIST

/bjh

Enclosures: Forms

NATURAL GAS CORPORATION OF CALIFORNIA

85 South 200 East Vernal, Utah 84078 (801) 789-4573

December 3, 1980

State of Utah Division of Oil, Gas & Mining 1588 West North Temple Salt Lake City, UT 84116

> Re: Well no. Federal 4-4 Section 4, T10S, R23E Uintah County, Utah

Well Completion Report and Log

Gentlemen:

Reference is made to your second request letter of November 25, 1980 regarding the Well Completion Report and Log for the Federal #4-4 well. This is to advise that completion operations have not as yet commenced on this well.

A Well Completion Report and Log will be submitted when completion operations are finalized.

Very truly yours,

Karla Higginson

Secretary

DEO OUTED

DIVISION OF OIL, GAS & MINING

June 23, 1981

Pacific Transmission Supply Company Attention: R. J. Firth P. O. Box 3093 Casper, Wyoming 82602

Re: Well No. Federal #4-4
Sec. 4, T. 60S, R. 23E
Uintah County, Utah
Last Request

Gentlemen:

This letter is to advise you that the Well Completion or Recompletion Report and Log for the above mentioned well is due and has not been filed with this office as required by our rules and regulations.

Please complete the englosed Form OGC-3, in duplicate, and forward them to this office as soon as possible.

Failure to provide this report will result in denial of all future applications for permit to drill from this office.

Your prompt attention to the above will be greatly appreciated!

Very truly yours,

DIVISION OF OIL, GAS, AND MINING

Cleon B. Feight

Director

/1m

Enclosure: Forms

NATURAL GAS CORPORATION OF CALIFORNIA

85 South 200 East Vernal, Utah 84078 (801) 789-4573

July 2, 1981

Mr. Cleon B. Feight Division of Oil, Gas & Mining 1588 West North Temple Salt Lake City, UT 84116

> Re: Well no. 4-4 Federal NW SE Section 4, T10S, R23E Uintah County, Utah Lease no. U-33433

Dear Mr. Feight:

Reference is made to your letter of June 23, 1981 regarding submittal of the "Well Completion Report and Log", Form OGC-3 for well no. 4-4. Completion operations have not been conducted on this well and the well's present status is waiting on completion. Completion operations are scheduled to begin within the month of July, and the necessary information will be forthcoming from this office.

If further information is required, please contact this office.

Sincerely,

Karla Hanberg Secretary

/KH

Encls.

cc: Operations Supt. - Denver

JUL 0 9 1001

DIVISION OF OIL, GAS & MINING



Scott M. Matheson, Governor Temple A. Reynolds, Executive Director Cleon B. Feight, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

February 4, 1982

Natural Gas Corporation of Cal. 85 South 200 East Vernal, Utah 84078

> Re: Well No. Federal 4-4 Sec. 4, T. 10S, R. 23E Uintah County, Utah

> > Well No. Devil's Playground Federa 23-17 Sec. 17, T. 9S, R. 24E Uintah County, Utah

Gentlemen:

This letter is to advise you that the Well Completion or Recompletion Report and Log for the above mentioned wells is due and has not been filed with this office as required by our rules and regulations.

Please complete the enclosed Form OGC-3, in duplicate, and forward them to this office as soon as possible.

Thank you for your cooperation relative to the above.

Very truly yours,

DIVISION OF OIL, GAS AND MINING

Cari Furse Clerk Typist



4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

February 4, 1982

Scott M. Matheson, Governor Temple A. Reynolds, Executive Director Cleon B. Feight, Division Director

NATURAL GAS CORPORATION

FEB 0 5 1982

VERNAL OFFICE

Natural Gas Corporation of Cal. 85 South 200 East Vernal, Utah 84078

> Re: Well No. Federal 4-4 Sec. 4, T. 10S, R. 23E Uintah County, Utah

> > Well No. Devil's Playground Federa 23-17 Sec. 17, T. 9S, R. 24E Uintah County, Utah

Gentlemen:

This letter is to advise you that the Well Completion or Recompletion Report and Log for the above mentioned wells is due and has not been filed with this office as required by our rules and regulations.

Please complete the enclosed Form OGC-3, in duplicate, and forward them to this office as soon as possible.

Thank you for your cooperation relative to the above.

Very truly yours,

DIVISION OF OIL, GAS AND MINING

Cari Furse Clerk Typist

NATURAL GAS CORPORATION OF CALIFORNIA

85 South 200 East Vernal, Utah 84078 (801) 789-4573 February 9, 1982

Mr. E. W. Guynn Geological Survey-Conservation Div. 2000 Administration Bldg. 1745 West 1700 South Salt Lake City, UT 84104

Ms. Cari Furse
State of Utah
Natural Resources and Energy
Division of Oil, Gas & Mining
4241 State Office Building
Salt Lake City, UT 84114

Mr. Bob Gilmore DeGolyer & MacNaughton No. 1 Energy Square Dallas, TX 75206

Mr. Richard Smith Enserch Exploration, Inc. Metrobank Bldg., Suite 1322 Denver, CO 80202

Enserch Exploration, Inc. 909 South Meridian, Suite 608 Oklahoma City, OK 73128

Re: NGC #4-4 Federal NW SE Section 4, T.10S, R.23E Uintah County, Utah

Gentlemen:

Attached are copies of Form 9-331, Sundry Notices and Reports on Wells, Notification of Well Status, for the above referenced well.

Yours truly,

Rick Canterbury Associate Engineer

Rick Cantubury

/kh

Attachment

cc: Operations E. R. Henry

C. T. Clark (Cover Letter Only)

| Dec. 1973 | | Budget B | ureau No. 42-R1424 | |
|--|---|---|--|----------|
| UNITED STATES | 5. LEASE | ត្តិ ស្ត្រី ស្ត្រី | 100 PG | |
| DEPARTMENT OF THE INTERIOR | U-33433 | | 01 S E | |
| | 6. IF INDIAN, A | | R TRIBE NAME | |
| GEOLOGICAL SURVEY | 0. II INDIAN, 7 | E 2 7 6 | 8 6 5 <u>3</u> | |
| | 7. UNIT AGRE | | <u>က် အိုင်</u> | • |
| SUNDRY NOTICES AND REPORTS ON WELLS | 7. UNII AGREI | EWENT NAM | eide; ans ; | |
| (Do not use this form for proposals to drill or to deepen or plug back to a different | | | <u> 등 도본년</u> 그 : 도개 | - |
| reservoir. Use Form 9–331–C for such proposals.) | 8. FARM OR LI | ASE NAME | 5 4 2 E | |
| 1. oil gas MY | Federal | | | |
| well gas well other | 9. WELL NO. | | | |
| 2. NAME OF OPERATOR | 4-4 | | <u> </u> | _ |
| Natural Gas Corporation of California | 10. FIELD OR W | | AE II | |
| 3. ADDRESS OF OPERATOR | | D H j in | 一 第2章 | |
| 85 South 200 East, Vernal, UT 84078 | 11. SEC., T., R. | M., OR BLK | . AND SURVEY OF | ₹ |
| 4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 | AREA | S. 7 2 & | 그 기가 가장 하는 것이 되었다. | |
| | Section | 4. T.109 | S, R.23E | |
| below.) AT SURFACE: 1613' FSL, 1329' FEL, NW SE | 12. COUNTY OF | | | - |
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| (other) Notification of Well Status | | u | 三直 夏楚哲宗 | # |
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Subsurface Safety Valve: Manu. and Type _ 18. I hereby certify that the foregoing is true and correct Associate Engr. (This space for Federal or State office use) DATE _ ___ TITLE _

APPROVED BY CONDITIONS OF APPROVAL, IF ANY:

CC: USGS; Div. Oil, Gas & Mining; Operations; ERHenry; DeGolyer; Enserch

NATURAL GAS CORPORATION OF CALIFORNIA

85 South 200 East Vernal, Utah 84078 (801) 789-4573

February 10, 1982



Ms. Cari Furse State of Utah Natural Resources and Energy Division of Oil, Gas & Mining 4241 State Office Building Salt Lake City, UT 84114 DIVISION OF OIL, GAS & MINING

Re: NGC #4-4 Federal, Lease No. U-33433 NW SE Section 4, T.10S, R.23E

Uintah County, Utah

NGC #23-17 Federal, Lease No. U-31266

NE SW Section 17, T.9S, R.24E

Uintah County, Utah

Dear Ms. Furse:

Attached are copies of Form OGC-lb, Sundry Notices and Reports on Wells, Notification of Change of Operator from Pacific Transmission Supply Co. to Natural Gas Corporation of California, for the above referenced wells.

Sincerely,

Rick Canterbury Associate Engineer

Rick Cantubury

/kh

Attachment

cc: Operations

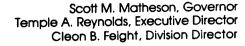
E. R. Henry

SUB. IN TRIPLICATE* (Other instructions on reverse side)

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES

| 18. PERMIT NO. 18. SELVATIONS (Show whether or, st. os. etc.) 19. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data Notice of Intention to: TEST WATER SHUT-OFF PRACTURE TREAT SHOOT OR ACIDIZE SHOOT O | | DIVISI | ON OF OIL, GAS, AND M | INING | 5. LEASE DESIGNATION AND SERIAL NO. |
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| SIGNED RICK Canterbury (This space for Federal or State office use) APPROVED BY TITLE ASSOCIATE Engineer DATE 2/10/82 | ransmission | ѕирріу то | Natural Gas Corpora | tion of California. | DIEGETVED FEB 11 1982 DIVISION OF OIL. GAS & MINING |
| RICK Canterbury (This space for Federal or State office use) APPROVED BY | φ_{il} | the foregoing i | - / Ac | sociate Engineer | 2/10/82 |
| APPROVED BYDATE | Rick Ca | | 111111 | | DAID |
| CONDITIONS OF APPROVAL, IF ANY: | APPROVED BY | | TITLE | | DATE |

cc: Operations; E. R. Henry





4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

March 15, 1983

Natural Gas Corporation of California 85 South 200 East Vernal, Utah 84078

> Re: Well No. Devil's Plygr Fed. # 23-17 Sec. 17, T. 9S, R. 24E.

Uintah County, Utah

Well No. Federal # 4-4 Sec. 4, T. 10S, R. 23E. Uintah County, Utah

Gentlemen:

This letter is to advise you that the Well Completion or Recompletion Report and Log for the above mentioned wells are due and have not been filed with this office as required by our rules and regulations.

Please complete the enclosed Form OGC-3, in duplicate, and forward them to this office as soon as possible.

We will be happy to acknowledge receipt of response to this notice if you will include an extra copy of the transmittal letter with a place for our signature, and a self addressed envelope for the return. Such acknowledgement should avoid unnecessary mailing of a <u>firm</u> second notice from our agency.

Your prompt attention to the above will be greatly appreciated.

Respectfully,

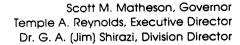
DIVISION OF OIL, GAS AND MINING

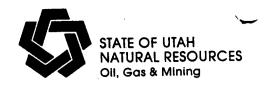
vi Turse

Cari Furse

Well Records Specialist

CF/cf Enclosure





4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

December 22 1983

Natural Gas Corporation of California 85 South 200 East Vernal, Utah, 84078

Re: Well No. Fed. #4-4

1613' FSL, 1329' FEL NW SE Sec. 4, T. 10S, R. 23E. Uintah County, Utah

Gentlemen:

This letter is to advise you that the Well Completion or Recompletion Report and Log for the above mentioned well is due and has not been filed with this office as required by our rules and regulations.

Please complete the enclosed Form OGC-3, in duplicate, and forward them to this office as soon as possible.

**You are in violation with the above rule. If you wish to continue developing business in the State of Utah, compliance with pertinent rules and regulations is essential. Further delay in your attention to the above matter may result in punitive action. Please submit the required information as stated above within fifteen (15) days.

Respectfully,

Claudia Jones

Well Records Specialist

Claudia Jones

CJ/cj Enclosure

UN: ED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

(See other instructions on reverse side)

5.

U-33433

| | Budget Bure | au N | o. 42-R3 | 55.5. |
|-------|-------------|------|----------|-------|
| LEASE | DESIGNATION | AND | SERIAL | NO. |

| WELL CO | MPLETION | OR RE | COM | PLETION | 4 RE | PORT A | NP | LOG* | 6. IF INDIAN, ALLO | TTEE OR TRIBE NAME |
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| Natural Ga | as Corpora | tion of | Cali | fornia | | : | | | 9. WELL NO. | |
| 3. ADDRESS OF OPER | RATOR | | | | | | | | 4-4 | |
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| At total depth | | | | | | | | | - 30007011 | , |
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| ; | | | | 43-04 | 47-3 | 0632 | 9/2 | 28/79 | Uintah 🛓 | Utah |
| 15. DATE SPUDDED | 16. DATE T.D. | REACHED | 17. DATE | COMPL. (Rea | dy to | prod.) 18. | ELEV | ATIONS (DF, REB, | RT, GR, ETC.)* 19. | ELEV. CASINGHEAD |
| 4/3/80 | 5/19/80 | 5 | SI Per | nding Com | mple | tion | 5. | 316' GL | | <u> </u> |
| 20. TOTAL DEPTH, MD | & TVD 21. PL | JG, BACK T.D | ., MD & T | | MULTI W MA | PLE COMPL., | : | 23. INTERVALS DRILLED BY | ROTARY TOOLS | CABLE TOOLS |
| 8670' | N | | | | | | ; | | 0-TD | |
| 24. PRODUCING INTER | RVAL(S), OF THIS | COMPLETIO | ON—TOP, | BOTTOM, NAM | IE (MI | AND TVD)* | | | 2 | 5. WAS DIRECTIONAL SURVEY MADE |
| | - 1/2 | | | | | | - | | 1 | |
| Not comple | | | | | | | <u> </u> | <u> </u> | | NO WAS WELL CORED |
| 26. TYPE ELECTRIC A | DC-CNL, BH | | | O.A. | , , | - = | | • | 21. V | No |
| 1,000 | | | - | NG RECORD | (Reno | rt all strings | set i | n well) | | |
| 28. | WEIGHT, LB | /FT. D1 | CASIA | | | E SIZE | 1 | CEMENTING | RECORD | AMOUNT PULLED |
| 13-3/8 | 48 | - | 195 | | 17-1 | /2 | 25 | 0 sx Class | В | None - |
| 9-5/8 | 36 | | 2768 | | 12-1 | | | 00 sx Clas | | None |
| 5-1/2 | - 17 . | | 969 | | | / | | 00 3X 0143 | | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 |
| 5-1/2 | 20 | | 3406 | | 7-7 | /8 | 90 | O sx Class | G | None |
| 29. | 1 | LINER R | | | | 4 | | 30. | TUBING RECORD | 1 400 |
| SIZE | TOP (MD) | воттом | (MD) | SACKS CEME | NT* | SCREEN (MI | D):: | SIZE | DEPTH SET (MD) | PACKER SET (MD) |
| | | - | | | | | | | : | |
| | | | | | | | | | | 1 . |
| 31. PERFORATION RE- | CORD (Interval, | ize and nu | mber) | | | 82. | AC | ID, SHOT, FRAC | TURE, CEMENT SQU | JEEZE, ETC. |
| | | | | | | DEPTH INT | TERVA | L (MD) A | MOUNT AND KIND OF | MATERIAL USED |
| None | | | | | | | | | | · · · · · · · · · · · · · · · · · · · |
| | | | | | | | | | | · · · · · |
| | | | | | | | | | | |
| | | | | | DD 25 | Vienve: | | <u> </u> | | |
| 33.* | nov I ppo | DUCTION MI | THOD (F | | | UCTION | and t | ype of pump) | 1 WELL STAT | US (Producing or |
| DATE FIRST PRODUCT | J | | | , , , , , , , , , , , , , , , , , , , | .,., | | | - | shut-in) | ing Completion |
| None | HOURS TESTE | one - | KE SIZE | PROD'N. F | OR | OIL-BBL. | <u> </u> | GAS-MCF. | WATER—BBL. | GAS-OIL BATIO |
| DATE OF TAGE | 10020 | | | TEST PER | | | | | | |
| FLOW. TUBING PRESS. | CASING PRESS | | ULATED OUR RAT | OIL—BBL | • | GAB | MCF. | WATE | 7個の国外 | W 5 (7 BB.) |
| | | - | > | | | | - 1 | | 日子では | |
| 34. DISPOSITION OF | GAS (Sold, used f | or fuel, ven | ted, etc.) | | | | - | | TEST WITNESSED | a _ 7 4 8 6 1 7 |
| | | | | | | | | | (1) JAN 1-2-1 | 984 |
| 35. LIST OF ATTACE | MENTS | | | | | | | #11 | W Table 1 | |
| None | | | | | | | | | DIV. OF BUL GAS | 2 MINING |
| 36. I hereby certify | y that the forego | oing and at | tached in | nformation is | compl | ete and corr | ect a | s determined from | 7 | a mininu |
| STONED U |) m Kyon | _ | | TITL | E | | | | DATE | 1/5/84 |
| SIGNED W. | A. Rvan | | | | | | | | | |

NSTRUCTIONS

copies to be State agency, regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal number a complete and correct well completion report and log on all types of lands and leases to either a Federal agency Any necessary special instructions concerning the use of this form and the or both, pursuant to applicable Federal and/or State laws and regulations. with regard to local, area, or is designed for submitting

and/or State office | See instituctions on items 22 and 24, and 33, below regarding separate reports for separate completions.

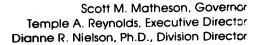
If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample, and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing Submit a separate report (page) on this form, adequately identified, ism 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. b, bottom(s) and name(s) (if any) for only the interval reported in item 33. Su to be separately produced, showing the additional data pertinent to such interval. intervalg top(a), bottom(s) and name(s) or Federal office for specific instructions. tems 22

Consult local State

Coment": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool (See instruction for items 22 and 24 above.) a separate completion report on this form for each interval to be separately produced. for each tem 29: interval, tem 33:

| | TRUE VERT. DEPTH | +4006 +2718 +1224 + 510 - 403 -1400 -3041 -3221 |
|--|------------------|--|
| TOP | MEAS. DEPTH TE | Surface 1324 2612 4106 4820 5733 5733 168282 8371 8551 8551 |
| | NAN | Green River Parachute Creek "H" Marker Wasatch "Y" Marker Mesaverde (Farrer Facies) (Nelson Coaly F) Buck Tongue Shale Castlegate Mancos Shale |
| | | 23/20 1 Property and Condition of the co |
| DESCRIPTION, CONTENTS, MIC. | | COUNTY OF THE CO |
| DEPTH INTERVAL TESTED, COSTICA | BULLOM | Option to the second se |
| TESTED COSTINE | TOP | THE TWO THE |
| DEPTH INTERVAL | FORMATION | The second of th |





4241 State Office Building • Salt Lake City, UT 84114 • 807-533-5771

November 7, 1984

Natural Gas Corporation of California 85 South 200 East Vernal, Utah 84078

Gentlemen:

Re: Well No. Federal 4-4 - Sec. 4, T. 10S., R. 23E. Uintah County, Utah - API #43-047-30632

The above referred to well has been under an operation suspended status for six months or longer. Please inform this office of the current status of this well location or what operations are currently being performed on this well. Enclosed is Form OGC-lb, "Sundry Notices and Reports on Wells" that you may use to inform our office regarding this matter.

Thank you for your prompt attention to the above matter.

Sincerely,

Claudia Jones

Well Records Specialist

Claudia Jones

clj Enclosure cc: Dianne R. Nielson Ronald J. Firth John R. Baza File 00000012/9 NGC NGC NGC

.GC NGC NGC NGC

November 15, 1984

Bureau of Land Management Branch of Fluid Minerals Vernal District Office 170 South 500 East Vernal, UT 84078

Division of Oil, Gas & Mining 4244 State Office Building Salt Lake City, UT 84114

Mr. John-Baker DeGolyer & MacNaughton No. 1 Energy Square Dallas, TX 75206

Re: NGC #4-4 Federal

NW SE Section 4, T.10S., R.23E.

Uintah County, UT

Enserch Exploration, Inc. Metrobank Bldg., Suite 1322 Denver, CO 80202

Enserch Exploration, Inc. 909 South Meridian, Suite 608 - Oklahoma City, OK 73128



DIVISION OF OIL, GAS & MINING

Gentlemen:

Attached are copies of Form 3160-5, Sundry Notices and Reports on Wells, Report of Well Status, for the subject well.

Yours truly,

W. A. Ryan

Petroleum Engineer

William a Kyo

/kh

Attachment

cc: H. Myers

Land Dept.

L. Jorgensen

S. Furtado

| 7 | | | | Form approved. | |
|--|---|--|-------------------|--|--------------|
| Form \$160-5 (November 1983) | UNI STATES | SUBMIT IN TRIP | | Budget Bureau No. Expires August 31, | 1985 |
| | MENT OF THE INTER | | | I-33433 | BELIEB NO. |
| | AU OF LAND MANAGEMEN | | | INDIAN, ALLOTTEE OR | TRIBE NAME |
| SUNDRY NO (Do not use this form for profuse "APPLI | TICES AND REPORTS openals to drill or to deepen or plug CATION FOR PERMIT—" for such | ON WELLS back to a different reservo proposals.) | ir. | | |
| 1. | | | | WIT AGREEMENT NAME | |
| WELL GAS WELL OTHER | . : | | | ARM OR LEASE NAME | |
| 2. NAME OF OPERATOR | | | : 1 | | |
| Natural Gas Corpora | <u>tion of California</u> | | | ederal | |
| •• | Vonna 1 HT 94079 | | 4 | -4 | |
| 85 South 200 East, 4. LOCATION OF WELL (Report location See also space 17 below.) At surface | clearly and in accordance with an | y State requirements.* | 10. 1 | FIELD AND POOL, OR WI | LDCAT |
| 1613' FSL, 1329' FE | L, NW1 SE1 | | | EUC., T., R., M., OR BLK. | _ |
| • | | | | Sec. 4, T.10S. | |
| 14. PERMIT NO. | 15. ELEVATIONS (Show whether | DF, RT, GR, etc.) | | COUNTY OR PARISE 18 | |
| 43-047-30632 | 5316' GR | | 1 1 | Jintah | Utah |
| 16. Check | Appropriate Box To Indicate | Nature of Notice, Rep | ort, or Other | Data | |
| NOTICE OF INT | ENTION TO: | 1 | SUBSEQUENT R | BPORT OF: | |
| TEST WATER SHUT-OFF | PULL OR ALTER CASING | WATER BEUT-OFF | | BEPAIRING WELL | · |
| FRACTUBE TREAT | MULTIPLE COMPLETE | FRACTURE TREATM | ENT | ALTERING CASING | · [] |
| SHOOT OR ACIDIZE | ABANDON® | SHOOTING OR ACID | IZING | ABANDON MENT* | V |
| REPAIR WELL | CHANGE PLANS | (Other) WC1 | ort results of mu | itiple completion on I | |
| (Other) 17. DESCRIBE PROPOSED OR COMPLETED O | | Completion (| or Recompletion | Report and Log Iorm.) | starting any |
| proposed work. If well is dirent to this work.) | ctionally drilled, give subsurface to | excions and measured and t | the vertical dept | no tot all materia and | · |
| Operator reports th | e status as "shut-in | " pending reevalu | ation of e | economic capal | oility. |
| | IIOn avas | rione Cuenondodii | | i | |
| | . "Upera | tions Suspended" | | | |
| | e e e | | | | |
| | | | | OFFICE OFFICE OF THE OFFICE OF THE OFFICE OF | |
| | | TATE | | // 5 | |
| | | | | (311) | |
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| | • | | NOV 20 19 | 184 | |
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| | | | DIVISION | 01 | |
| | | . UM | GAS & M | IINING | |
| | | UIL | ,, | | |
| | | | \$ \$ | | |
| | · | | • | | |
| | | - | | | |
| | | | * 1 | | |
| | | | | | |
| 18. I hereby certify that the foregoin | g is true and correct | | | | |
| SIGNED William a | TITLE P | <u>etroleum Enginee</u> | <u>r</u> | DATE Nov. 15 | , 1984 |
| William A. Rya | an / | | | | |
| (This space for Federal or State | omce use) | | : | | |
| APPROVED BY | TITLE | | | DATE | |
| CONDITIONS OF APPROVAL, I | FANX: | | | | |

*See Instructions on Reverse Side

| 4 | | _ | | • | l Bud | m approve d. Iget Bureau No. 10 | |
|--|--|---|---------------------------------------|---------------------------------------|--------------------------|--|--------------|
| Form 3160-5 (November 1983) | UN | II) STATE S N T O F THE INTI | (A1) | a lestruction | | ires August 31, 1 DESIGNATION AND 8 | |
| (Formerly 9-331) | | OF LAND MANAGEM | | | i i | 33433 | |
| CUN | | S AND REPORT | | LS | 6. IF IND | IAN, ALLOTTEE OR T | RIBE NAME |
| (Do not use this | form for proposals | to drill or to deepen or p | olug back to a dif | Terent reservoir. | | | |
| 1. | Use "APPLICATIO |)N FOR FERMIT— 101 A | uca proposation | · · · · · · · · · · · · · · · · · · · | 7. UNIT A | GREEMENT NAME | |
| OIL GAS WELL | STREE | | | | | | |
| 2. NAME OF OPERATOR | | - £ C-1: £i- | | | | OR LEASE NAME | |
| Natural Gas | | of California | | <u> </u> | 9. WELL | deral mo. | |
| 85 South 200 | East, Verna | 1, UT 84078 | | | 4-4 | <u></u> | |
| 4. LOCATION OF WELL (I See also space 17 bel | Report location clean | ly and in accordance with | any State requir | rements. | 10. FIRL | D AND POOL, OR WILE | DCAT |
| At surface | • | | | : | | T., R., M., OR BLK. A | ND |
| 1613' FSL 13 | 329' FEL NW | SE É | | 1 - | | EVEY OR AREA | |
| Section 4, 7 | | | · · · · · · · · · · · · · · · · · · · | <u> </u> | | ion 4, T.10S | 8., R.23E |
| 14. PERNIT NO. 43-047-30632 | | 15. ELEVATIONS (Show wheth | ber DF, KT, GK, etc. |) . ÷ | 2 - | ntah | Utah |
| | | D T 1 1: | . M | N D | | | |
| 16. | | opriate Box To Indica | ie Nature of t | - · | of Other Dai | | |
| | NOTICE OF INTENTIO | | | | | REPAIRING WELL | ГÍ |
| TEST WATER SHUT-C | ··· | L OR ALTER CASING | | CTURE TREATMENT | | ALTERING CASING | |
| FRACTUBE TREAT SHOOT OB ACIDIZE | <u> </u> | INDON* | SHC | OTING OR ACIDIZING | | ABANDON MENT* | |
| LEFAIR WELL | 1 | ANGE PLANS | , | her) | sults of multip | le completion on W | -L 'ell |
| (Other) Reque | st Temporar | y Surface Pit_X | tinent details a | Completion or Re- | combietion Repo | ort and Log torm.) | |
| proposed work. I nent to this work. | f well is directiona | TIONS (Clearly state all pelly drilled, give subsurface | e locations and n | seasured and true v | ertical depths f | or all markers and | zones perti- |
| be used as a | blow down | lined surface property of the well al information, | ll is flow | tested. | | · · | |
| | | : | | | | | |
| | | | | 14 | | | |
| | | | į | DEGI NOV | EUV [2 3 1984 | | |
| | | : | | DIVIOI | ONIOC | | |
| | | | | | ON OF | | |
| · | | | | OiL, GAS | ∝ MINIMIME | i | |
| | | | | | | | |
| | | | | : | | | |
| 18. I bereby certify the | t the foregoing is | rue and correct | | | | | |
| SIGNED WILL | ion a ly | TITLE | Petrole | um Engineer | | ATTE November | r 15, 198 |
| (This space for Fe | deral or State office | use) | | ACCEPTE | =7) | | |
| | | TITLE | 1 | (PPROVED | | STATE | |
| APPROVED BY CONDITIONS OF . | APPROVAL, IF AN | | | OF UTAH | DIVISION | | |
| | | | · • | | AND MIL | | |
| is required | proval of this in the province of the province | action Incing *See Instru | DAT | E: // /2/ | 20/84 | | |
| operations. | | monty See Institu | .cions data. | 17hun 1 | - /- Jay | | |

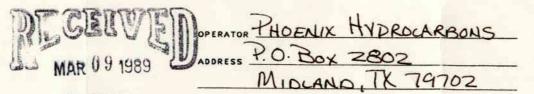
Title 15 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

| COMPANY:_ | NGC | | UT ACCOUNT # | SUSPENSE | DATE: | |
|-----------|---|-------------|-------------------|-----------|---------------|----------------------------------|
| - | | | | | • | v |
| | | TELEPHON | IE CONTACT DOCUME | INTATION | | . . |
| CONTACT N | AME: BILL R | YAN) 1- 7 | 189- 4573 | | | |
| | ELEPHONE NO.: | | | | | |
| SUBJECT: | STATUS OF | FED 4-4 | (42047-306 | 632) 10S, | 23E,4 | |
| | | | | | 7 | |
| • | | | | | · | |
| · | | | | | | |
| | | (Use at | tachments if nec | essary) | | |
| RESULTS: | STILL HAS 1 | EVER ISEGN | PERFED OF | POTHERUIK | E COMPLET | 720 · |
| | | IATE PLANS. | · | | | |
| | | | | | | |
|) | - WELL SHOW | ILD RETAIN | AN OPNE SH | SPENUED (| CAPILLING) S: | TATUS |
| 4 | | | | | | -410 ² 0 ³ |
| | • | (Use at | tachments if nec | cessary) | | |
| CONTACTED | BY: Nor | ~ | | | | |
| DATE: | 2-2- | 87 | | | | |

Sect, 1080, 23E En My 14 July 88 Icd # 4-4 NAT. GAS CORP. 42.381 50 SHETS 5 SQUARE 42.382 100 SHETS 5 SQUARE well head accen road

STATE OF UTAH DIVISION OF OIL. GAS AND MINING

ENTITY ACTION FORM - DOGM FORM 6



OPERATOR CODE NO985

PHONE NO. 915, 683-5449

DIVISION OF

| CODE | ENTITY NO. | ENTITY NO. | API NUMBER | WELL | NAME | | | WELL | LOCATIO | | SPUD | EFFECTIV |
|---------|------------|------------|---------------|---|----------------|--------|--------|--------|---------|------------|----------|---|
| _ | | | | | | 00 | sc | TP | RG | COUNTY | DATE | DATE |
| A | 10690 | | 4304730632 | BOUTH MAN CA | MYON 4-4 | 2E | 4 | 105 | 23E | LINTAH | | 1/1/89 |
| MMENTS | | * Single e | nd ty well No | tin a Unit Does 1 | not share tank | batte | ry wi | itha | ny oy | ther well. | | |
| | | 4-: | 3-89 open chy | SOUTHMAN CA fin a Unit Does I from NBC Energy | 14 Co eff. 1/1 | 189 fo | CR | | J | | | |
| A | | | | Southman C Not in a Unit o | - | | | | | | 2/19/81 | 1/1/89 |
| MMENTS | 1-001 | V S Al. | and itu II | let in a Whit of | C · NOP DIA | MM | | 103 | 250 | HAIMIN | 211-1191 | 11101 |
| | | * single | in y well | Agi in a unit o | loes not shall | tun F | Dayer | y with | nany | other well | , | |
| | | 4-3 | 3-89 open chy | from NECE | nergy Co. eft. | 1/1/8 | 4. fck | e | | | | |
| | | | | | | T | | T | | | | *************************************** |
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| | | | | | | | | | | | | |
| IMENTS: | | | | | | | | | | | | |

ACTION CODES: A - ESTABLISH NEW ENTITY FOR NEW WELL (SINGLE WELL ONLY)

B - ADD NEW WELL TO EXISTING ENTITY (GROUP OR UNIT WELL)

C - RE-ASSIGN WELL FROM ONE EXISTING ENTITY TO ANOTHER EXISTING ENTITY

D - RE-ASSIGN WELL FROM ONE EXISTING ENTITY TO A NEW ENTITY

E - OTHER (EXPLAIN IN COMMENTS SECTION)

(SEE INSTRUCTIONS ON BACK OF FORM)

TE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING

SUBMIC FIGURED ATE: (Off structions on

| | | OF OIL, GAS, AN | | | 5. LEASE DESIGNATION U-33433 | H AND BERIAL NO. |
|---|--|---|------------|--------------------------------------|--|------------------|
| SUND | RY NOTICES | AND REPORT TO SERVICE | RTS C | N WELLS ek to a different receivale. | 6. IF INDIAM, ALLOTT | SO OR TRIBE NAME |
| OIL UAS C | OTHER | | | | 7. UNIT AGREEMENT | TAMB |
| L NAME OF OPERATOR | | | | | 8. PARM OR LBASE NO | M3 |
| Phoenix Hydro | carbons, Inc | • | | | Federal | |
| L ADDRESS OF OPERATOR | | | | | 8. WELL BO. 4-4 | |
| P.O. Box 280 | 2, Midland, | TX 79702 | ル に | disinvicin | | |
| i. LOCATION OF WELL (Rep. See also space 17 below. At surface | oft location clearly | and la accordance [T | 116 | | 10. FIELD AND FOOL, | |
| 1613' FSL, 1 | 329' FEL NWS | E 🚄 | es A | PR 0 3 1989 | 11. abc., 7., a., M., os subvet os abs | BLE. AND |
| | | | | DIVISION OF | Sec. 4, T10S | , R23E |
| lé. PERMIT NO. | 18. | SUSTATIONS (Show wh | other () | GAS-G-MINING | 12. COUNTY OR PARIS | 1 |
| 43-047-30632 | | 5316' (| | | Uintah | UT |
| 16. | Check Approp | nate Box To India | cate No | ature of Notice, Report, or | r Other Data | |
| XOT | HCE OF INTERFEC | | 1 | • | BOUBNT ABPORT OF: | |
| | <u> </u> | | ¬ | 1 | | |
| TEST WATER SEUT-OFF | | DE ALTER CASING | ┥ | WATER SHUT-OFF | REPAIRING ALTERING | |
| FRACTURE TREAT SMOOT OR ACIDIZE | ABAND | PLE COMPLETE | 1 | PRACTURE TREATMENT | ABANJONM | |
| REPAIR WELL | | E PLANS | 1 | (Other) | | |
| | e of Operato | | 7 | (Nors: Report resu | its of multiple completion myletion Report and Log f | os Weil |
| | | CHANGE y 1, 1989, Ph NGC Energy Co | noenix | Hydrocarbons, Inc. | (NO985) assume | d |
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| | | | | | | |
| K | Chill | And correct | _ Pr | oduct\ion Secretary | DATE 3/ | 31/89 |
| SIGNED 7 | | | | | | |
| (This space for Federa | l or State office use | 1) | | | | |
| APPROVED BY | PROVAL IF ANT: | TITL | .E | | DATE | |

SUBMIT IN DUP' (See other instruction reverse side)

STATE TAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

| | | | | - 1 |
|-------|--------------|-----|---------|--------|
| 10100 | 4 T 10 H | AMB | ATRIAL. | TIO. [|

| WELL COMPLETION OR RECOMPLETION REPORT AND LOG* | | -33433 |
|---|---|---|
| | 6. IF INDIAN. | ALLOTTES OR TRISS NAME |
| la. TYPE OF WELL: OIL GAS DAY DAY Other | 7. UNIT AGRE | EMENT NAME |
| L TYPE OF COMPLETION: | | |
| NEW WELL X OVER DEEP DEEP DACK DIFF. Other | S. PARM OR | |
| 2. NAME OF OPERATOR | | Federal |
| Phoenix Hydrocarbons, Inc. 3. ADDRESS OF OPERATOR | 9. WELL NO. | 4-4 |
| P.O. Box 2802, Midland, TX 79702 | 10. FIELD AN | D POOL, OR WILDCAT |
| 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements) | Southma | n Canyon |
| At surface 1613' FSL, 1329' FEL, NWSE 3 1 1090 | 11. SEC., T., | L., M., OR BLOCK AND SURVEY |
| At top prod. interval reported below | | T-10-S, R-23-E |
| City/districts of the | 366. 4, | 1-10-3, K-23-E |
| At total depth DIVISION OF 14. PERMIT NO. OIL, GAS COMMISSION | 12. COURTY | DE ! 13. STATE |
| 43-047-30632 9/28/79 | Uintah | Utah |
| 5. DATE SPUDDED 16. DATE T.D. REACHED 17. DATE COMPL. (Ready to prod.) 18. BLEVATIONS (DF. REB. 1 | RT, GR, ETC.)* | 19. BLEV. CABINGREAD |
| 4/30/80 5/29/80 5/27/89 5316' GL | | 5315' |
| 10. TOTAL DEPTH, MD & TVD 21. PLUG, BACK T.B., MD & TVD 22. IF MULTIPLE COMPL., DRILLED BY, | ROTARY TOO | LS CABLE TOOLS |
| 8670 8612 n/a | X | 25. WAS DIRECTIONAL |
| 6. PRODUCING INTERVAL(8), OF THIS COMPLETION—TOP, ROTTOM, NAME (MD AND TVD). 6939-7383 Mesa Verde | | BOAM ESARDS |
| 0333-7303 Mesa Verge | | No |
| 6. TYPE SLECTRIC AND OTHER LOGS BUN | | 27. WAS WELL CORSO |
| DI-SFL, FDC-CNL, ÇBL | | No |
| 3. CASING RECORD (Report all strings set in well) | | |
| CASING SIZE WEIGHT, LB./FT. DEPTH SET (MD) HOLE SIZE CEMENTING | | AMOUNT POLLED |
| 13-3/8" 48 195 17-1/2 250 sx Class I | | None |
| 9-5/8 36 2768 12-1/4 1100 sx Class | <u>u</u> | None None |
| 5-1/2 17 1969 5-1/2 20 8406 7-7/8 900 sx Class (| | None |
| | TUBING REC | |
| SIZE TOP (MD) BOTTOM (MS) SACKS EMENTS SCREEN (MB) SIZE | DEPTE SET (S | (D) PACKER SET (MD) |
| none 2-3/8 | 7183 | |
| | | |
| 51. PERFORATION RECORD (Interval, size and number) 32. ACID, SHOT. FRACT | | T SQUEEZE, ETC. |
| | | -1/2% NEFE, 51,00 |
| - 07177/101: .1/: 10 HUTE5 KBUZY-/ZXZ - 1 400 | <u> </u> | |
| | . gelled | NOE WOLC: GIVE |
| gals | . gelled 00# 20/40 | |
| gals 90,00 | | |
| gals. 90,00 | 00# 20/40 | sand. |
| gals. 90,00 PRODUCTION PRODUCTION PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) | 00# 20/40 | sand. |
| gals. PRODUCTION PRODUCTION PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) 7/11/89 Flowing PATS OF TEST HOURS TESTED CHOKE SIZE PROD'N. FOR OIL—BEL. GAS—HCF. | 00# 20/40 | sand. status (Producing or ut-in) ducing |
| gals. 90,00 PRODUCTION PRODUCTION PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) 7/11/89 Flowing | 00# 20/40 | sand. status (Producing or ut-in) ducing |
| gals. PRODUCTION PRODUCTION PRODUCTION PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) 7/11/89 Flowing PATE OF THET HOURS TESTED CHOKE SIZE PROD'N. FOR OIL—BEL. GAS—MCF. 7/20/89 24 16/64 55 410 PLOW. FUBING PRESS. CASING PRESSURE CALCULATED OIL—BEL. GAS—MCF. WATER | 00# 20/40 VELL PRO WATER—BB | sand. STATUS (Producing or string) ducing L. GAS-OIL BATIO 820,000/1 |
| gals. PRODUCTION PRODUCTION PRODUCTION PRODUCTION PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) 7/11/89 Flowing Parts of test Hours tested Choke size Prod'n, for Oil—sel. Gas—ncf. 7/20/89 24 16/64 Test period .5 410 Flow. Tubing Press. Casing Pressure Calculated Oil—sel. Gas—ncf. 1100 1400 24-Rour Bate .5 410 | VELL AND Pro VATER-DD 4 | sand. STATUS (Producing or ut-in) ducing L. QAS-OIL BATIO 820,000/1 OIL GRAVITY-API (CORE.) 49.5 |
| gals. 90,00 33.* PRODUCTION PRODUCTION PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) 7/11/89 Flowing PATE OF TEST HOURS TESTED CHOKE SIZE PROD'N. FOR OIL—BEL. GAS—HCF. 7/20/89 24 16/64 TEST PERIOD .5 410 FLOW. TUBING PRESS. CASING PRESSURE CALCULATED OIL—BEL. GAS—HCF. WATER 1100 1400 .5 410 .5 410 34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Sold | 00# 20/40 VELL PRO WATER—BB | sand. STATUS (Producing or st-in) ducing L. GAS-OIL BATIO 820,000/1 OIL GEAVITY-API (CORE.) 49.5 |
| gals. 90,00 DATE FIRST PRODUCTION PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) 7/11/89 Flowing DATE OF TEST HOURS TESTED CHOKE SIZE PROD'N. FOR OIL—SSL. GAS—MCF. 7/20/89 24 16/64 TEST PERIOD .5 410 FLOW. FURING PRESS. CASING PRESSURE CALCULATED OIL—SSL. GAS—MCF. 1100 1400 24-ROUS BATE .5 410 34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Sold 35. LIST OF ATTACEMENTS None | VATER-SS 4 DeNile | sand. STATUS (Producing or st-in) ducing L. GAS-OIL BATIO 820,000/1 OIL GRAVITY-API (CORE.) 49.5 ESERD ST Smuin |
| gals. PRODUCTION PRODUCTION PRODUCTION PRODUCTION METHOD (Flowing, gas lift, pumping—cise and type of pump) 7/11/89 Flowing PRODUCTION Flowing, gas lift, pumping—cise and type of pump) TEST PERIOD SOIL—BBL. GAS—MCF. WATER 1100 1400 34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Sold SS. LIST OF ATTACEMENTS None 36. I hereby certify that the foregoing and attached information is complete and correct as determined from | VATER-SS 4 DeNile | sand. BTATUB (Producing or bit-in) ducing L. GAS-OIL BATIO 820,000/1 OIL GRAVITT-API (CORR.) 49.5 Heard ST Smuin |
| gals. 90,00 DATE FIRST PRODUCTION PRODUCTION METHOD (Flowing, gas lift, pumping—eise and type of pump) 7/11/89 Flowing DATE OF TEST HOURS TESTED CHOKE SIZE PROD'N. FOR OIL—BBL. GAS—MCF. 7/20/89 24 16/64 TEST PERIOD .5 410 FLOW. FUSING PRESS. CASING PRESSURE CALCULATED OIL—BBL. GAS—MCF. WATER 1100 1400 24-HOUR BATE .5 410 34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Sold 35. LIST OF ATTACEMENTS | VATER-SS 4 DeNile | sand. STATUS (Producing or st-in) st-in) ducing L. QAS-OIL BATIO 820,000/1 OIL OBAVITY-API (CORE.) 49.5 SERED ST Smuin |

INSTRUCTIONS

and/or State office. See instructions on items 22 and 28, below regarding separate reports for separate completions.
If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sumple and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached bereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments or both, purnuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal Gasard: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency

abould be listed on this form, see item 35.

Hem 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State

item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. It this well is completed for separate production from more than one interval sone (multiple completion), so state in item 24 and in item 24 abow the producing or Federal office for specific instructions.

Interval, or Intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 83. Submit a separate report (page) on this form, adequately identified, for each additional interval.

From 29: "Sacks Coment": Attached supplemental records for this well should show the details of any multiple stage comenting and the location of the cementing tool.

How 33: Submit a separate completion report on this form for each interval to be separately produced. (See lastruction for items 22 and 24 above.)

| 1 | | |
|--|-----------------------------|---|
| | TOOS VEET. DO | +4006 +2718 +1224 + 510 - 403 - 742 -1400 -2952 -3041 -3221 |
| CHOCOCIC MARKERS | MAA. PROTE | Surface 1324 2612 4106 4820 5733 6730 68282 8371 8551 |
| | | Green River Surfa Parachute Creek 1324 "H" Marker 4106 Wasatch Trans. 44820 "Y" Marker 5733 Fesaverde 6773 (Nelson Coaly F) 6730 Buck Tongue Shale8282 Castlegate 8371 Mancos Shale 8551 |
| AND BRUT-IN PERSOURNE, AND RE | Beschifton, Contritts, etc. | OIL AND GAS DRN RJF JRB GLH DTS SLS 1-TAS Q- MICROFILM 3_ FILE |
| BEFOR INTRIVAL TESTES, CUGETON USES, TIME TOOL OFTH, PLOWING | HOLLOS | |
| TRETES, CUREION | 22 | |
| DOPTH INTRIVAL 1 | POEK ATION | |

Pacific Transmission Supply Company PTS #4-4 Federal Uintah County, Utah

| 5-16-80 | TD 8433. Tripping to test. Mud wt. 11.2#/gal. |
|---------|--|
| 5-17-80 | TD 8490". Drilling. DST no. 3: 8372"-8433". Recovered 110' drlg. mud, NGTS. FSIP 640#. |
| 5-18-80 | TD 8568'. Drilling. Tripped for washed out drill collars. Mud wt. 11.4#/gal. |
| 5-19-80 | TD 8660'. Drilling. Mud wt. 11.0#/gal. |
| 5-20-80 | TD 8670'. Logging. Mud:wt. 11.0#/gal. |
| | |
| 5-21-80 | TD 8670'. Circulating and waiting on orders. Completed logging. Mud wt. 11.0#/gal. |
| 5-22-80 | TD 8670". Circulating and waiting on orders. Mud wt. 11.0#/gal. |
| 5-23-80 | TD 8670'. Running 5-1/2" production casing. Mud wt. 11.1#/gal. |
| 524-80 | TD 8670'. R.D. rotary drilling rig. Ran 204 jts. 5-1/2", 17.0# N8Q and 20.0# K55 production casing. Land casing at 8400' and cemented with 90Q sacks Thixotropic cement and 100 sacks Class G cement. Good circulation. WOC and set casing slips. Rotary drlg. rig released at 12:00 midnight 5-23-80. |

Pacific Transmission Supply Company PTS #4-4 Federal Uintah County, Utah

| 4-28-80 | TD 6281'. Drilling. DST no. 1 6187'-6237'. Final gas volume 8.95 MCF/D. |
|---------|---|
| 4-29-80 | TD 6425'. Drilling. Tripped for hole in drill collars. |
| 4-30-80 | TD 6653'. Drilling. DB: 6618'-37' 450 units gas. |
| 5-1-80 | TD 6889'. Drilling DB: 6687'-97' 220 units gas, 6713'-18' 230 units gas, 6739'54' 590 units gas, 6756'-87' 350 units gas and 6821'-33' 650 units gas. |
| 5-2-80 | TD 7098'. Drilling. DB: 6939'-50' 660 units gas, 6975'-94' 1000 units gas and 7046'-59' 1200 units gas. |
| 5-3-80 | TD 7190'. Tripping. Tripped for bit. |
| 5-4-80 | TD 7297'. Drilling. Tripped for hole in drill collars. DB: 7260'-66' 570 units gas, 7280'-95' 830 units gas. |
| 5-5-80 | TD 7461*. Drilling. DB: 7386*-91* 1000 units gas. |
| 5-6-80 | TD 7696'. Drilling. DB: 7469'-77' 1000 units gas, 7567'-78' 1100 units gas, 7602'-07' 1250 units gas. |
| 5-7-80 | TD 7907". Drilling. |
| 5-8-80 | TD 8038'. Circ. & mixing mud. Prep. to trip for new bit. |
| 5-9-80 | TD 8042'. Drilling. Tripped for new bit. |
| 5-10-80 | TD 8240'. Circ. & mixing mud. DB: 8104'-26'. |
| 5-11-80 | TD 8240'. Circ. & mixing mud. Preparing to run DST no. 2. |
| 5-12-80 | TD 8240' Circ. & mixing mud. Mud wt. 11.3#/gal. vis. 50 secs. Prep. to trip out for test. |
| 5-13-80 | TD 8240'. Testing. DST no. 2: 8106'-8240'. |
| 5-14-80 | TD 8290'. Drilling. DST no. 2: 8106'-8240'. Recovered 180' drilling mud and 1290' gas cut water. FSIP 2109#. Final gas volume 53 MCF/D. |
| 5-15-80 | TD 8413'. Drilling. DB: 8370'-78' & 8400'-24". Mud wt. 11.0#/gal. |

Moenix Hydrocarbons, Inc. (No985)

BECINE

July 2, 1991

JUL 0 5 1991

DIVISION OF OIL GAS & MINING

Lisha Romero
Division of Oil, Gas, & Mining
3 Triad Center, Suite 350
Salt Lake City, UT 84180-1203

RE: Change of Operator

Dear Lisha:

As per our telephone conversation on July 1, 1991, Phoenix Hydrocarbons, Inc. (PHI) hereby gives notice that effective July 1, 1991, Phoenix Hydrocarbons Operating Inc. (PHOC) will begin to operate wells previously operated by PHI. Attached you will find a list of these properties by field which includes API numbers and Utah Entity numbers.

Please assign PHOC a Utah Account Number for filing taxes and monthly reporting. If you should have any questions, please call. Thank you.

Sincerely,

Rhonda Patterson

Arnda Pattur

encl.

*910711 Address is the same per Rhonda Patterson.

PH_AIX HYDROCARBONS UTAH FIELDS ____

AS OF 3/31/91

| WALKER HOLLOW FIELD #700 | API - NUMBER | UTAH ENTITY # |
|--|------------------------------|-------------------------------|
| u-02651 McLish #1 | 43-047-20280 | 02760 内层伊丽瓜 |
| McLish #2 | 43-047-30011 | 02760 |
| McLish #3 | 43-047-30027 | 02760 |
| McLish #4 | 43-047-30030 | 02760 JUL 0 5 1991 |
| Pan American Fed #2 | 43-047-30038 43-047-31034 | 02700 |
| WalkerHollow U #6 WalkerHollow UJ-8 | 43-047-31092 | 02760 02760 DIVISION OF |
| Walkernollow 03-0 | 43-047-31092 | OIL GAS & MINING |
| | | OUT COUNT HAILANACE |
| NATURAL BUTTE FIELD #630 U-33433 | | |
| Southman Canyon #1-5 | 43-047-30856 | 10689 |
| Southman Canyon #4-4 | 43-047-30632 | 10690 |
| Southman Canyon #4-5 | 43-047-30633 | 06131 |
| | | |
| PLEASANT VALLEY FIELD #115 | | |
| , – | /2 012 20000 | 0/070 |
| Pleasant Valley 24-32 Pleasant Valley 23-22 | 43-013-30888 43-013-30845 | 04970 04965 |
| rieasant valley 25-22 | 43-013-30643 | 04903 |
| 8 MILE FLAT NORTH FIELD #590 | | |
| mL-22057 Gulf State 36-11 | 43-047-31350 | 00040 |
| Gulf State 36-12 | 43-047-31864 | 11002 |
| Gulf State 36-13 | 43-047-31345 | 00045 |
| Gulf State 36-22 | 43-047-31892 | 11095 |
| Pariette Draw 28-44-FEE | 43-047-31408 | 04960 |
| | | |
| HORSESHOE BEND FIELD #620 | | |
| U-075939 Baser Draw 5-1 | 43-047-31833 | 10862 |
| Baser Draw 6-1 | 43-047-31834 | 10863 |
| Rocar Drow 6_2 | 43-047-31859 | 10967 |
| Federal Miller #1- U-0/36484 | 43-047-30034 | 02750 |
| Wolf Government #1 | 43-047-15609 | 02755 |
| FEDERAL 4-3-L-U-L6401 | 43-047-31910 | 99999 (ADDED TO LIST BY DOGM) |
| WILDCAT FIELD #001 | | ₹, |
| Coors 14-1-D-U-65223 | 43-047-31304 | 11193 |
| UNDESIGNATED FIELD #002 | | |
| E. Gusher 15-1-A- U-58097 | 43-047-31900 | 11122 |
| Federal 5-5-H-474-66401 | 43-047-31903 | 11138 |
| | | |

NOTE: WE NEED TO CALL EACH QUARTER TO THE DIVISION OF OIL, GAS, & MINING TO VERIFY FIELD'S THAT HAVE BEEN "UNDESIGNATED" FOR FIELD ASSIGNMENT

form 3160-5 December 1989)

2

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: September 30, 1990

5. Lease Designation and Serial No.

บ-33433

| SUNDRY NOTICES Do not use this form for proposals to di Use "APPLICATION FO | AND REPORTS ON WELLS rill or to deepen or reentry to a different report of the PERMIT—" for such proposals | 6. If Indian, Allottee or Tribe Name |
|---|---|---|
| SUBMIT | TIN TRIPLICATE SEP 23 | 7. If Unit or CA, Agreement Designation |
| Type of Well Oil Well Well Other Name of Operator Phoenix Hydrocarbons Op Address and Telephone No. P. O. Box 2802, Midland Location of Well (Footage, Sec., T., R., M., or Survey II Section 4, T-10-S, R-23 | 1, Texas 79702 (915) 682-1186 Description) | Southman Canvon 4-4 |
| | (s) TO INDICATE NATURE OF NOTICE | E, REPORT, OR OTHER DATA |
| TYPE OF SUBMISSION Notice of Intent | Abandonment Recompletion Plugging Back | Change of Plans New Construction Non-Routine Fracturing |
| Subsequent Report Final Abandonment Notice | Casing Repair Altering Casing XXOther Design | Water Shut-Off Conversion to Injection nation of Operator deport results of multiple completion on Well Completion or etion Report and Log form.) |
| give subsurface locations and measured and true ver | all pertinent details, and give pertinent dates, including estimated tical depths for all markers and zones pertinent to this work.)* | date of starting any proposed work. If well is directionally drilled. |

Phoenix Hydrocarbons Operating Corp. has acquired operations from Phoenix Hydrocarbons, Inc. on the above lease, effective as of July 1, 1991. Phoenix Hydrocarbons Operating Corp. is covered by Irrevocable Standby Letter of Credit No. 10005 issued by Texas Commerce Bank — Midland, N. A. in favor of the Utah Division of Oil, Gas & Mining, revised 1/4/91. Phoenix is also covered under Statewide Oil and Gas Bond #B01258, filed and accepted March 23, 1988 by the Chief of the Minerals Adjudication Section, United States Department of the Interior, Bureau of Land Management, Salt Lake City, Utah.

| 4. I hereby certify that the tolegoing is true and correct Signed | Title Landman | Date July 9, 1991 |
|---|---|-------------------|
| (This space for Federal or Scale office (Sec.) Approved by Approval. It any: | ASSISTANT DISTRICT ************************************ | SEP 2 2 1992 |

Title 18 U.S.C. Section 1901, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictinguis or fraudulent statements or representations as to any matter within its jurisdiction.

vision of Oil, Gas and Mining

PERATOR CHANGE WORKSHEET

Attach all documentation received by the division regarding this change. initial each listed item when completed. Write N/A if item is not applicable.

| Routing: | |
|----------------|---------|
| KDR-ل | 6-KAS V |
| 2-CLH | 7-SJ-7P |
| 3-JARB | 8-FILE |
| G-CDW , | 9-1000 |
| 5−KDR √ | |

| | nge of Opera gnation of O | | ld) | . • | nation of Age ator Name Ch | | (MERGER) | | |
|---|--------------------------------------|-----------------------------------|-------------------------------|-------------------------------|---|-------------------------|---|-------------------------------|--|
| he oper | ator of the w | vell(s) listed | below has | changed, eff | ective: <u>6</u> | 1–99 | | | |
| 'O: (nev | w operator) (address) | SANTE FE P.O. BOX BAGGS, W | 129 | CORPORATION 2321 | FROM: (old | l operator) (address |) P.O. E | OIL CORP OX 129 WYOMING | ORATION 82321 |
| | | | 07) 383–28 o. <u>N2000</u> | 600 (6-24-99) | | | | _(307) 383 nt noN13 | |
| VELL(S | S) attach additi | onal page if ne | eded: | *HORS | SESHOE BEND | , LOVE, EAS | ST BENCH | & WALKER | HOLLOW UNITS |
| lame: | *SEE ATTA | ACHED* | API: 43~ API: | 097-3063 | Entity: Entity: Entity: Entity: Entity: Entity: Entity: | s /0 s = s | T | R | se: se: se: |
|)PERA | TOR CHA | NGE DOC | UMENTA | ΓΙΟΝ | | | | | |
| <u>D</u> 1. | (r649-8-10) form). | Sundry or (| ther legal d | ocumentatio | n has been re | ceived from | the FORM | IER operate | or (attach to thi |
| <u>₩</u> -2. | (r649-8-10 form). | Sundry of | other lega | l documenta | tion has been | received fro | om the NE | W operato | r (Attach to the |
| <u>⊅</u> -3. | The Depai wells in Ut #011879 | rtment of C ah. Is the c —. | Commerce ompany re | has been cor gistered with | ntacted if the | new operato (yes/no) | or above is If yes, s | not current show compa | ly operating an any file numbe |
| <u>₽</u> R-4. | | | | | | | | | s change. Mak an well operato etion of steps |
| DR-5. | Changes ha | ave been en | ered in the | Oil and Ga | s Informatio | n System (32 | 270) for ea | ch well liste | ed above. |
| <u>B</u> P 6. | Cardex file | e has been u | pdated for | each well lis | sted above. | | | | |
| ½ 7. | Well file la | ibels have b | een update | d for each w | ell listed abo | ve.(NW S | ystom | 1 | |
| ¥C 8. | Changes ha | ve been incl | uded on the | monthly "C | perator, Add ommission, e | ress, and Acc | count Char | nges" memo | o for distribution |
| Ø€9. | A folder h | as been set | up for the | Operator C | | and a copy of | | e has been | placed there for |
| tons/wpdoc | :s\forms\operchng | | | | OVED - | | | | |

- OVER -

| OPERATO | PR CHANGE WORKSHEET (continued) - Initial each item when completed. Write N/A if item is not applicable. |
|---------------|--|
| | |
| ENTITY | REVIEW |
| <u>M</u> 1. | (r649-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) If entity assignments were changed, attach copies of Form 6, Entity Action Form. |
| <u>P</u> 2. | Trust Lands, Sovereign Lands, Tax Commission, etc., have been notified through normal procedures of entity changes. |
| BOND V | ERIFICATION - (FEE WELLS ONLY) |
| <u>M</u> -1. | (r649-3-1) The NEW operator of any fee lease well listed above has furnished a proper bond. (RU A G 1 99 # J Z 7 7 7 7) |
| 1 2. | A copy of this form has been placed in the new and former operator's bond files. |
| <u>D</u> -3. | The FORMER operator has requested a release of liability from their bond (yes/no), as of today's date, If yes, division response was made to this request by letter dated, [1] |
| LEASE | INTEREST OWNER NOTIFICATION OF RESPONSIBILITY |
| <u>M</u> 1. | Copies of documents have been sent on 8 12 99 to Ed Emme at Trust Lands for changes involving State leases, in order to remind that agency of their responsibility to review for proper bonding. |
| <u>#</u> 2. | (r649-2-10) The former operator of any fee lease wells listed above has been contacted and informed by lette dated |
| FILMIN | IG |
| <u>ICS</u> 1. | All attachments to this form have been microfilmed. Today's date: 9-29-89. |
| FILING | |
| 1. | Copies of all attachments to this form have been filed in each well file. |
| 2. | The original of this form, and the original attachments are now being filed in the Operator Change file. |
| COMM | ENTS |
| | |
| | |
| | |
| | |
| | |

| Division of 0il, Gas and Mining OPERATOR CHANGE HORKSHEET | | outing: |
|---|--|--|
| Attach all documentation received by the divis Initial each listed item when completed. Writ | te N/A if item is not applicable. | NISOTS -RJF |
| Change of Operator (well sold) □ Designation of Operator | I I DESTUDIALION OF AUGUL | -RWM V |
| The operator of the well(s) listed be | pelow has changed (EFFECTIVE DATE: | _) |
| TO (new operator) (address) PHOENIX HYDROCARBO OPERATING CORPORAT PO BOX 2802 MIDLAND, TX 79702 phone (915) 682-11 account no. N9880 | TO BOX 2002 MIDLAND, TX RHONDA PATTER phone (915)6 | 79702 SON 82-1186 |
| Well(S) (attach additional page if needed): | | |
| Name: API: Name: API: Name: API: Name: API: | Entity: SecTwpRngLease Entity: SecTwpRngLease Entity: SecTwpRngLease Entity: SecTwpRngLease | se Type:se |
| OPERATOR CHANGE DOCUMENTATION | other <u>legal</u> documentation has been received | from <u>former</u> |
| operator (Attach to this form | m). (Rec'd 1-5-91) | |
| (Attach to this form). (Subside | ther <u>legal</u> documentation has been received from diary company of theinix Hydrocurbons, Inc. | new operator |
| operating any wells in Utah. yes, show company file number | | no) 1T |
| (attach Telephone Documenta | lls ONLY) The BLM has been contacted regarding ation Form to this report). Make note of B orm. Management review of Federal and Indian tior to completion of steps 5 through 9 below. | LM Status in |
| 5. Changes have been entered in listed above. (9-24-92) | n the Oil and Gas Information System (Wang/IBM) | for each well |
| $\frac{\sqrt{c}}{4c}$ 6. Cardex file has been updated | for each well listed above. (9-24-92) | |
| fer 7. Well file labels have been up | updated for each well listed above. (9-24-92) | |
| for distribution to State La | on the monthly "Operator, Address, and Account ands and the Tax Commission. (9-24-92) | Changes" memo |
| 9. A folder has been set up for placed there for reference d | or the Operator Change file, and a copy of this during routing and processing of the original doc | page has been cuments. |

| PERATOR | CHANGE WORKSHEET (CONTINUED) Ini each item when completed. Write N/A item is not applicable. |
|---------------|--|
| | REVIEW |
| <u>For</u> 1. | (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes no) (If entity assignments were changed, attach copies of Form 6, Entity Action Form). |
| <u>ฟล</u> 2. | State Lands and the Tax Commission have been notified through normal procedures of entity changes. |
| BOND VI | ERIFICATION (Fee wells only) |
| <u>ν/a</u> 1. | (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond. |
| <u>N/A</u> 2. | A copy of this form has been placed in the new and former operators' bond files. |
| NA 3. | The former operator has requested a release of liability from their bond (yes/no) Today's date 19 If yes, division response was made by letter dated 19 |
| LEASE | INTEREST OHNER NOTIFICATION RESPONSIBILITY |
| 1/2 1. | (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated 19, of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested. |
| | Copies of documents have been sent to State Lands for changes involving State leases. |
| FILMIN | \sim 1 |
| FILING | |
| Jor 1. | Copies of all attachments to this form have been filed in each well file. |
| fer 2. | The <u>original</u> of this form and the <u>original</u> attachments have been filed in the Operator Change file. |
| 7201: | 24 Bom/Vernel Approved on 9-22-92 eff. 7-1-91. |
| | |
| | |
| Mr. | - 35 |

STATE OF UTAH

DIVISION OF OIL, GAS AND MINING 355 West North Temple, 3 Triad, Suite 350, Salt Lake City, UT 84180-1203

Page 4 of 5

| OPERATOR NAME AND ADDRESS: | | | UTAH ACCOUNT NUMBER: | | | | |
|--|---|------------|----------------------|-------------------------------------|--------------------|---|--|
| 1 | RHONDA PATTERSON PHOENIX HYDRO OPER CORP | | | REPORT PERIOD (MONTH/YEAR): 12 / 93 | | | |
| PO BOX 2802 MIDLAND TX 79702 | | | AMEI | NDED REPORT (F | Highlight Changes | ;) | |
| Well Name | Producing | Well | Days | I | Production Volumes | | |
| API Number Entity Location | Zone | Status | Oper | OIL(BBL) | GAS(MCF) | WATER(BBL) | |
| FEDERAL #1-5 4304730856 10689 105 23E 5 | MVRD | | | - u-33433 | | | |
| FEDERAL #4-4 4304730632 10690 105 23E 4 | MVRD | | | - U-33433 | | | |
| COTTONWOOD WASH UNIT #1 _4304731774≠ 10754 12S 21E 10 | WSTC | | . • | u-40729 | Cottonwood Wash | Unit (separate chg) BIm Aprv. 2-14-9 | |
| EAST BENCH UNIT #1 1201731778 10795 115 22E 33 | WSTC | | | U-25880 | East Bench Unit | 8 km Aprv. 2-14-9 | |
| WILLOW CREEK UNIT #1 4304731775 10804 115 20E 27 | WSTC | | _ | 4-34705 | | | |
| WILLOW CREEK UNIT #2 4304731818 10804 115 20E 5 | WSMVD | | | - U-39223 | | | |
| ALGER PASS #1 A.GER PASS #1 A.GER PASS #10828 11S 19E 2 | MVRD | | - | ml-36213 | Alger Pass Unit | Bhm Aprv. 2-14-94 | |
| BASER DRAW 5-1 -4304731833 10862 07S 22E 5 | UNTA | | 1 | -U-075939 | | | |
| BASER DRAW #6-1 4304731834 10863 07S 22E 6 | UNTA | | _ | U-075939 | | | |
| BASER 6-2 4304731859 10967 07S 22E 6 | UNTA | | | u-075939 | | | |
| GULF STATE 36-12 4304731864 11002 08S 18E 36 | GRRV | | 1 | mL-22057 | | | |
| GULF STATE #36-22 | GRRV | | | mL-22057 | | | |
| 4304731892 11095 08S 18E 36 E. GUSHER 15-1-A 4304731900 11122 06S 20E 15 | GRRV | | | - ML-22057 - U-58097 | | | |
| | 1 | | TOTALS | | | | |
| | | | | | | | |
| COMMENTS | | | | | | | |
| COMMENTS: | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| I hereby certify that this report is true and complete to | the best of my | y knowledg | e. | Ε | Date: | | |
| Name and Signature: | | | | | Telephone Number: | | |

Phoenix Hydrocarbons Operating Corp.

December 20, 1993

State of Utah
Division of Oil, Gas, & Mining
3 Triad Center, #350
Salt Lake City, UT 84180-1203

FEB 2 8 1994

Attention: Lisha Cordova

RE: Change Of Operator Sundry Notices

Dear Lisha:

Effective January 1, 1994, Phoenix Hydrocarbons Operating Corp. will transfer all operations in Utah to Snyder Oil Corporation.

Snyder Oil Corporation is covered by Utah State Bond #582488 and Federal Bond #579354 (Guld Insurance Company).

Attached you will find a list of all wells to be Operated by Snyder Oil Corporation. Please note: all of Phoenix Hydrocarbon Operating Corp.'s well should be transfered.

If you should have any questions, please call.

Sincerely,

Rhonda Patterson

encl.

| Post-it [™] Fax Note | 7671 | Date # of pages ▶ 3 | |
|-------------------------------|---------|---------------------|-----|
| To Junha Contrept | | Co. Couly Briefe | na. |
| Phone # | <u></u> | Phone # | |
| Fax # | | Fax # | |

UINTAH COUNTY

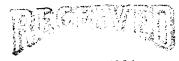
| Well Name | LEASE | API | LOCATION |
|--------------------------|-------------|---------------|---|
| | NUMBER | NUMBER | |
| | | | |
| ulf State 36-11 | ML-22057 | 43-047-31350 | SEC 36, T-8-S, R-18-E |
| uff State 36-12 | ML-22057 | | SEC 36, T-8-S, R-18-E |
| uff State 36-13 | ML-22057 | | SEC 36, T-8-S, R-18-E |
| uif State 36-22 | ML-22057 | | SEC 36, T-8-S, R-18-E |
| griette Draw 28-44 | FEE | | SEC 28, T-4-S, R-2-W |
| ederal Milier #1 | UTU0136484 | | SEC 4, T-7-S, R-22-E |
| folf Govt # 1 | UTU076939 | | SEC 6, T-7-S, R-22-E |
| clish #1 (WalkerHollow) | SL-066341 | | SEC 8, T-7-S, R-23-E |
| clish #2 (WalkerHollow) | SL-066341 | | SEC B, T-7-S, A-23-E |
| cLish #3 (Walken-lollow) | SL-066341 | | SEC 8, T-7-S, R-23-E |
| cLish #4 (WalkerHollow) | SL-006341 | | SEC 8, T-7-S, R-23-E |
| leikar Hollow U-6 | SL-066341 | | SEC 8, T-7-S, R-23-E |
| an American #2 | SL-066341 | | SEC 9, T-7-5, R-23-E SEC 8, T-7-5, R-23-E |
| falker Hollow U-8 | SL-066341 | | |
| 8867 5-1 | UTU075939 | | SEC 6, T-7-6, R-22-E SEC 6, T-7-6, R-22-E |
| aser G-1 | UTU075939 | | SEC 6, T-7-S, R-22-E |
| aser G-2 | UTU075939 | | |
| outhmen 1-5 | U1U33433 | 43-047-30556 | SEC & T-10-S, R-23-E SEC 4, T-10-S, R-23-E |
| outhman 4~4 | U1U33433 | 43-047-30632 | SEC 6, T-10-S, R-23-€ |
| outhman 4-5 | UTU33433 | 43-047-30833 | SEC 16, T-0-S, R-20-E |
| ast Gusher 16-1-A | UTU58097 | 4304751900 | SEC 14, T-7-S, R-21-€ |
| cors 14-1-D | UTU65223 | | SEC 2, 1-6-S, R-20-E |
| est Gueher 2-1-A | ML-21181 | | SEC 4 1-7-6, R-21-E |
| ladeline 4-3-C | UTU42469 | | SEC 6, T-7-6, R-21-E |
| ederal 6-5-H | UTUGGOOO | | SEC 11, T-6-S, R-20-€ |
| ederal 11-1-M | · UTU64376 | | SEC 7, T-10-S, R-23-€ |
| let Mesa 1-7 | U-36420 | | SEC 7, T-10-S, R-23-E |
| let Mesa 2-7 | U-38420 | | SEC 17, T-10-S, R-23-E |
| Crooked Carryon 1-17 | U-37356 | | SEC 5, T-11-5, R-20-E |
| Villaw Creek 2 | U-39223 | | SEC 9, T-10-S, R-23-E |
| lo Name Carryon 1-9 | U-37355 | 43-047-31604 | SEC 9, T-10-S, R-23-E |
| io Name Carryon 2-9 | U-37355 | 43-047-30379 | SEC 16, T-10-S, R-23-E |
| Carryon View Fed 1-18 | U-38421 | 43-047-01924 | SEC 2, T-11-S, R-19-E |
| Uger Pass #1 | ML-36213 | 43-047-30362 | SEC 6, T-10-5, A-23-E |
| Sage Heri 1-6 | U-38410 | 43-047-30383 | SEC & T-10-S, R-23-E |
| Sagebrush 1-8 | U-37356 | 43-047-16880 | SEC 15, T-10-S, FI-23-E |
| Southman Canyon SWD 3 | U-38427 | 43-047-90423 | SEC 11, T-10-S, R-23-E |
| lack Rabbit 1-11 | U-38425 | 43-047-50462 | SEC 15, T-10-5, R-23-E |
| CHT Edge 1-15 | U-38427 | 43-047-30481 | SEC 14, T-10-S, R-23-E |
| White River 1-14 | U-38427 | 43-047-30524 | SEC 3, T-11-5, R-22-E |
| Sitter Creek Fed 1-3 | U-29797 | 43-047-30644 | SEC 16, T-10-S, R-23-E |
| dakout Point 1-16 | ML-22186-A | 43-047-30558 | SEC 1. T-10-S, R-23-E |
| Pete's Flat Fed 1-1 | U-40735 | 42-047-30559 | SEC 10, T-10-S, R-23-E |
| Sheepherder Fed 1-10 | U-38261 | 42-047-30660 | SEC 12, T-10-S, R-23-E |
| NSO Fed 1-12 | U-38422 | 42-047-21774 | SEC 10, T-12-5, R-21-E |
| Cottorrwood Wash #1 | U-40729 | 42-047-2477-4 | SEC 27, T-11-5, R-20-E |
| Willow Creek #1 | U-34705 | 42-047-24779 | SEC 33, T-11-S, R-22-E |
| East Bench #1 | U-25880 | 43-047-31476 | |
| Lizzard Creek 1-10 | U-25980 | | |
| Archy Bench #1-2 | ML-22348-A | 43-047-31489 | SEC 10, T-7-S, R-21-E |
| Coors 2-10-HB | UTU-65222 | 120174557 | SEC 3, T-6-S, R-20-E |
| E Gusher #3 | SL-065841-A | 42.047.204.40 | SEC 7, T-11-S, R-21-E |
| Natural 1-7 | U-8345 | 42.047.94970 | SEC 15, T-10-S, R-23-E |
| Bonanza Federal 3-15 | U-38428 | 42.047.21470 | SEC 3, T-11-S, R-20-E |
| Laficas 1-3 | CR201 | 42.047-21.417 | SEC 16, T-7-S, R-21-E |
| State 14-16 | ML-40904 | 42.047.0000 | SEC 18, T-11-S, R-22-E |
| Love Unit 1-18 | 891018090A | 43-047-30/00 | SEC 11, T-11-5, R-21-E |
| Love Unit 1-11 | 891019090A | 49 047 00007 | SEC 12, T-11-S, R-21-E |
| Love Unit 1-12 | 891018090A | 47.047-30536 | SEC 4 T-11-S, R-21-E |
| Love Link 4-1 | 891018090A | | |
| Love Unit B-1-10 | 891018090A | 43-047-30709 | 1000 - 0 to 0 0 0 F |
| Love Unit B-2-3 | 891018090A | 43-047-30766 | |
| Horseshoe Bend #2 (Atta) | U-0142176 | 43-047-15800 | 1 |

DUCHESNE COUNTY

| Well Name | LEASE NUMBER | API NUMBER | LOCATION |
|-----------------------|-----------------|---------------|----------------------|
| | | | SEC 24, T-4-S, R-2-W |
| Pleasant Valley 24-32 | FEE | 43-013-30888 | |
| Castle Peak 1-3 | U-47172 | 43-013-30639 | SEC 3, T-9-S, R-16-E |
| Monument Butte 1-3 | U-44004 | 43-013-30642 | SEC 3, T-9-S, R-17-E |
| Monument Butte 2-3 | U-61252 | 43-013-30810 | SEC 3, T-9-S, R-17-E |
| Monument Batte 2 0 | | | · |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

SNYDER OIL CORPORATION

1625 Broadway, Suite 2200 Denver, Colorado 80202 Phone 303-592-8579



FEB n 7 1994

DIMISION OF OIL GIVE & WARRES

January 13, 1994

State of Utah Division of Oil, Gas, & Mining 3 Triad Center, #350 Salt Lake City, UT 84180-1203

Attention: Lisha Cordova

RE: Change of Operator Sundry Notices

Dear Ms. Cordova:

Effective January 1, 1994, Phoenix Hydrocarbons Operating Corp. will transfer all operations in Utah to Snyder Oil Corporation.

Snyder Oil Corporation is covered by Utah State Bond #582488 and Federal Bond #579354 (Guld Insurance Company).

Attached you will find a list of all wells to be operated by Snyder Oil Corporation. Please note: all of Phoenix Hydrocarbon Operating Corp.'s wells should be transferred.

If you should have any questions, please call.

Sincerely

Steven G. Van Hook Attorney-in-Fact

Enclosures

SNYDER OIL CORPORATION

TO:

George Rooney

FROM:

Steve Van Hook

DATE:

January 17, 1994

RE:

Phoenix Acquisition

Transfer of Cperator Forms

FEB 0 7 1994

ONUMENON OF OIL, GAS & MINING

Accompanying this memo are the following items related to the Phoenix acquisition which require your further handling:

Color Cater

Original letter dated 12/20/93 from Phoenix to the State of Utah Oil, Gas & Mining Division, with exhibit listing all wells in which SOCO becomes operator. Please mail ASAP with our enclosed cover letter advising SOCO is assuming operations.

Separate executed forms to transfer operations on the Southman Canyon SWD #3 well. Please complete the contact portion of these forms and forward for approval with the State of Utah.

3. For the Walker Hollow Unit, enclosed is a 1/14/94 cover letter from Phoenix Hydrocarbon with a Sundry Notice executed by SOCO and Phoenix for the following unit wells:

McLish #1, 2, 3, 4 Pan Am #2 Walker Hollow U6, J8

4. For operated wells on Federal lands, a separate file for the following wells is enclosed containing in each three original Sundry Notices of the BLM executed by SOCO and Phoenix. Please file with the BLM in triplicate for the following wells:

Castle Peak 1-3

Canyon View 1-18

Crooked Canyon 1-17

Federal 11-1-M

Madelive 4-3-C

Coors 1-14-D

Baser 5-1

No Name 2-9, 1-9

Willow Creek #2

Flat Mesa 2-7

Flat Mesa 1-7

Gusher 15-1-A

Southman Canyon 4-5, 4-4, 1-5

Baser Draw 6-2, 6-1

Memo Re: Phoenix/Transfer of Operator Forms

January 17, 1994

Page 2

Wolf Govt. Federal #1
Monument Butte 2-3
Pete's Flat Federal 1-1
Willow Creek #1
Cliff Edge Fed 1-15
E. Gusher No. 3
Lizzard Creek 1-10
Federal 3-15
Monument Butte 1-3

Federal Miller 1
Sage Brush 1-8
Bitter Creek Federal 1-3
White River 1-14
Southman Canyon SWD #3
Federal 2-10 HB
Horseshoe Bend 2
Natural 1-7 (Love Unit)

Please advise should any questions arise.

SVH/lk

Attachments



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Vernal District Office 170 South 500 East Vernal, Utah 84078-2799

FEB 2 8 1994



February 17, 1994

Snyder Oil Corporation Attn: Mr. Steven C. Van Hook 1625 Broadway, Suite #2200 Denver, CO 80202

Re:

Well: Southman Canyon 4-4

NWSE, Sec. 4, T10S, R23E

Lease U - 33433 Uintah County, Utah

Dear Mr. Van Hook:

This correspondence is in regard to the self-certification statement submitted requesting a change in operator for the referenced well. After a review by this office, the change in operator request is approved. Effective immediately, Snyder Oil Corporation is responsible for all operations performed on the referenced well. All liability will now fall under your bond, BLM Bond No. WY2272, for all operations conducted on the referenced well on the leased land.

If you have any other questions concerning this matter, please contact Ed Forsman of this office at (801)789-1362.

Sincerely,

Howard B. Cleavinger 11

Assistant District Manager for Minerals

cc:

Alta Country Partner
Alta Midland Partner
EP Operating Ltd. Partner
Hydrocarbon Energy
Xeta Partners 1988

Form 3160-5 (December 1989)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREA! OF LAND MANAGEMENT

FORM APPROVED Budget Bureau No. 1004-0135

Expires: September 30, 1990

5. Lease Designation and Serial No. 6. If Indian, Allottee or Tribe Name

| SUNDRY NOTICES AND REPORTS OF | N WELLS |
|---|---------------------------------|
| Do not use this form for proposals to drill or to deepen or re- | entry to a different reservoir. |
| LISE "APPLICATION FOR PERMIT—" for suc | h proposals |

| | | 7. If Unit or CA, Agreement Designation |
|--|---|--|
| SUBMI | | |
| 1. Type of Well Oil Well Swell Other 2. Name of Operator Snyder Oil Corporation | ation | 8. Well Name and No. 500th man Canyon 4-4 9. API Well No. 43-647-36632 |
| 3. Address and Telephone No. 1625 Broadway, #22 | 200, Denver, CO 80202 (303)592-8500 | 10. Field and Pool, or Expioratory Area |
| 4. Location of Well (Footage, Sec., T., R., M., or Survey I | 5, 12-23-E | 11. County or Parish. State UINTah, UT |
| 2. CHECK APPROPRIATE BOX | (s) TO INDICATE NATURE OF NOTICE. REPOF | RT, OR OTHER DATA |
| TYPE OF SUBMISSION | TYPE OF ACTION | |
| Notice of Intent Subsequent Report Final Abandonment Notice | Abandonment Recompletion Plugging Back Casing Repair Altering Casing X Other Change Of Op | Change of Plans New Construction Non-Routine Fracturing Water Shut-Off Conversion to Injection |
| | (Note: Report results of Recompletion Report an | multiple completion on Well Completion or |

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled. give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.10

> Effective January 1, 1994, Snyder Oil Corporation will become the operator of the referenced well from Phoenix Hydrocarbons Operating Corp.

Snyder Oil Corporation is covered under Federal Bond #579354 (Gulf Insurance Company) and Utah State Bond #582488.

FFR 2 2 1004

| |) L L 1994 | |
|--|--------------------------------------|-------------------|
| (6 MM) | | |
| Signed Title | Attoing in Fact | Date |
| (This space for Federal or State office use) | AGUSTASS DESTEACT AGAGSTAS WEBGLA | Date FED 1 7 1004 |
| Conditions of approval. if any: | | |

Form 3160-5 (December 1989)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED Budget Bureau No. 1004-0135

Expires: September 30, 1990

| • | SUNDRY NOTICES AND REPORTS ON WELLS | |
|-----------------|---|--|
| Oo not use this | form for proposals to drill or to deepen or reentry to a different reservoir. | |

Use "APPLICATION FOR PERMIT-7. If Unit or CA. Agreement Designation SUBMIT IN TRIPLICATE 1. Type of Well 8. Well Name and No. Gas Well Southman Canyon 4-4 Oil Well 2. Name of Operator Phoenix Hydrocarbons Operating Corp. 3. Address and Telephone No. 415 West Wall, #703 Midland, TX 79701 915-682-1186 10. Field and Pool, or Exploratory 4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 11. County or Parish, State SEC. 4, T-10-5, R-23-E Uintan Co., UT CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE. REPORT, OR OTHER DATA

TYPE OF ACTION TYPE OF SUBMISSION Change of Plans Abandonment Notice of Intent New Construction Recompletion Non-Routine Fracturing Plugging Back Subsequent Report Water Shut-Off Casing Repair

Conversion to Injection Altering Casing Change of Operator (Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date or starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

> Effective January 1, 1994, Snyder Oil Corporation will become the Operator of the above referenced

> > FEB 2 2 1994

| 01 | | |
|---|--------------------------------------|--------------|
| 4. I hereby certify that the pregoing is true and correct | President | Date |
| (This space for Federal Confice use) S HOWARD B. CLEAVINGER II | ASSISTANT DISTRICT MANAGER LIEVERMIS | FEB 1 7 1994 |
| Conditions of approval, if any: | | |

Title 18 F S C. Section (181), makes it is arime for the nerson entwingly and willfully to make to any department or agenc

| Division OPERAT | of Oil, Gas and Mining OR CHANGE HORKSHEET | | | ÷ | Rout jpg: |
|----------------------------------|---|---|--|---|--|
| | all documentation received each listed item when com | | | able. | 2_DT#37-SJ 3_VL# 8-FILE 4-R-IF. V |
| C Chan □ Desi | ge of Operator (well gnation of Operator | sold) | ☐ Designation of ☐ Operator Name (| | 5- PL |
| The op | erator of the well(s |) listed below h | nas changed (EFFEC | TIVE DATE: 1-01 | -94) |
| TO (ne | | 29 82321 | | (address) PO BO MIDLAI RHOND | IX HYDRO OPER CORP K 2802 ND TX 79702 A PATTERSON (915)682-1186 nt noN 9880 |
| Hell(s |) (attach additional page | if needed): | | | |
| Name: Name: Name: Name: | **SEE ATTACHED** | API: API: API: API: API: | Entity: Entity: Entity: Entity: Entity: Entity: | SecTwpRn SecTwpRn SecTwpRn SecTwpRn SecTwpRn | g Lease Type: g Lease Type: g Lease Type: g Lease Type: g Lease Type: g Lease Type: |
| j | OR CHANGE DOCUMENTATE (Rule R615-8-10) Somerator (Attach to (Rule R615-8-10) Sum (Attach to this form | undry or other this form). (fe | 1d 2-28-94) | | received from <u>former</u> ved from <u>new</u> operator |
| N/A 3. | The Department of Cooperating any wells yes, show company f | in Utah. Is | company registere | e new operator al d with the state | oove is not currently ? (yes/no) If |
| Lec 4. | (attach Telephone comments section of changes should take | Documentation F this form. M place prior to | form to this rep lanagement review completion of ste | ort). Make not of <mark>Federal and</mark> ps 5 through 9 b | |
| | Changes have been e listed above. (2-28- | 94) | | | ng/IBM) for each well |
| <u>Le</u> 6. | Cardex file has been | n updated for ea | ach well listed ab | ove. (2-28-94) | |
| Hec 7. | Well file labels hav | ve been updated | for each well lis | ted above. <i>(3-2-9</i> | 47 |
| <u>Lec</u> 8. | Changes have been i for distribution to | ncluded on the State Lands and | monthly "Operator I the Tax Commissi | on. (2-28-94) | Account Changes" memo |
| <u>Le</u> 9. | A folder has been s placed there for ret | et up for the C ference during r | Operator Change fi Couting and proces | ile, and a copy o | of this page has been inal documents. |

| 'ERATOR | CHANGE WORKSHEET (CONTINUED) Initial each item when completed. Write N/A if item is not applicable. |
|----------------|--|
| ENTITY | REVIEH |
| Lec1. | (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/ 60) (If entity assignments were changed, attach copies of Form 6, Entity Action Form). |
| <u>N/</u> 42. | State Lands and the Tax Commission have been notified through normal procedures of entity changes. |
| SOND V | ERIFICATION (Fee wells only) |
| <u>fic</u> 1. | (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond. |
| 2. | A copy of this form has been placed in the new and former operators' bond files. |
| <u>fe</u> C 3. | The former operator has requested a release of liability from their bond (yes no) Today's date |
| .EASE | INTEREST OHNER NOTIFICATION RESPONSIBILITY |
| 3/1/94 | (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated 19, of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested. |
| M/A 2. | Copies of documents have been sent to State Lands for changes involving State leases. |
| ILMIN | iG |
| _1. | All attachments to this form have been microfilmed. Date: Mach 18 1994. |
| FILING | |
| 1. | Copies of all attachments to this form have been filed in each well file. |
| <u>/</u> 2. | The <u>original</u> of this form and the <u>original</u> attachments have been filed in the Operator Change file. |
| COMMEN | NTS |
| 940. | 228 Partiel Change only. (see separate change) |
| | |
| | |
| | |

IE71/34-35

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING

| ត្រា | 3 | G | E | 0 | V | 7 | | STORY OF THE PROPERTY OF THE P | | |
|------|---|-----|---|---|-----|---|----|--|-----|---|
| | | MAR | | 2 | 199 | 5 | 5. | | , s | 3 |

| - | _ | | | | |
|---|-----|-------------|-------|-------|-------|
| i | ASE | DESIGNATION | I AND | SERIA | L NO. |

| SUNDRY NOTICES AND REPORTS O | NWELLOSL, GAS & M | NINGTIAN, ALLOTTEE OR TRIBAL NA | AME |
|---|------------------------------|---|-------------------|
| (Do not use this form for proposals to drill or to deepen or plug bacik to a difference Use "APPLICATION FOR PERMIT—" for such proposals.) | cht reservoir. | | |
| OIL GAS WELL X OTHER | | 7. UNIT AGREEMENT NAME | |
| 2. NAME OF OPERATOR | | 8. FARM OR LEASE NAME | 1 |
| Snyder Oil Corporation | | Federal Hi | 4-4 |
| 3. ADDRESS OF OPERATOR 1625 Broadway, Suite 2200, Denver, CO | 80202 (303) 592-8500 | 9. WELL NO. 43-047-306 | 32 |
| LOCATION OF WELL (Report location clearly and in accordance with any State require See also space 17 below.) | ements.* | 10. FIELD AND POOL, OR WILDCAT | , |
| At surface Southman Canyon field | | Southman Canyon | |
| | | 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA | |
| 14. API NUMBER 15. ELEVATIONS (Show whether DF, RT, | GR, etc.) | 12. COUNTY OR PARISH | 13. STATE |
| İ | | Uintah | UT |
| 16. Check Appropriate Box To Inidcate Nature of No. | | OUENT REPORT OF: | |
| NOTICE OF INTENTION TO: TEST WATER SHUT-OFF PULL OR ALTER CASING | WATER SHUT-OFF | REPAIRING WELL | |
| FRACTURE TREAT MULTIPLE COMPLETE | FRACTURE TREATMENT | ALTERING CASING | |
| SHOOT OR ACIDIZE ABANDON* | SHOOTING OR ACIDIZING | ABANDONMENT* | |
| REPAIR WELL CHANGE PLANS | (OTHER) | | |
| (OTHER) | (Note: Report resul | ts of multiple completion on Well ompletion Report and Log form.) | |
| proposed work. If well is directionally drilled, give subsurface locations and measured Snyder Oil Corporation respectfully requests the foll produced water in the Southman Canyon #3 disposa | lowing wells be added to lis | | |
| 1) Bonanza Federal #3-15 | | | |
| 2) Lookout Point State #1-16 | | | |
| 3) Southman Canyon #1-5 | | | |
| 4) Southman Canyon #4-4 | | | |
| 5) Southman Canyon #4-5 6) Southman Canyon #31-1-L | | | |
| 7) Southman Canyon #9-4-J | | | |
| 8) Southman Canyon #9-3-M | | | |
| | | | |
| 18. I hereby certify that the foregoing is true and correct | | | |
| SIGNED_ George Rooney Glay B. Kon HITLE | Sr. Petroleum Engineer | DATE | February 15, 1995 |
| (This space for rederal or State Office us) | | | |
| APPROVED BYTITLE CONDITIONS OF APPROVAL, IF ANY: | | DATE | |



P.O. Box 695 Vernal, Utah 84078 801/789-0323

February 29, 1996

Utah State Division of Oil Gas & Mining 3 Triad Center, Suite #350 355 W. North Temple Salt Lake City, UT 84180-1203

MAR - 1 1996

RE:

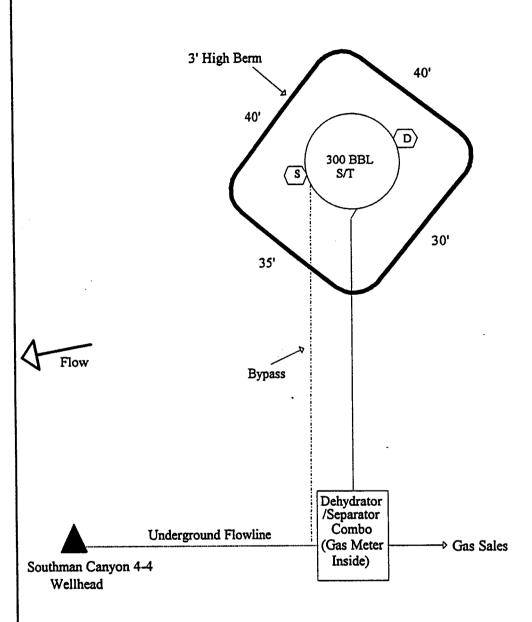
Site Security Diagrams

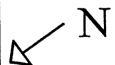
Gentlemen:

Enclosed are copies of Site Security Diagrams for wells operated by Snyder Oil Corporation. We will send you copies of the rest of the diagrams when we receive them from Buys and Associates. If you have any questions, please contact me at 801-789-0323.

Sincerely,

Senior Clerk





SITE SECURITY PLAN LOCATED AT:

SNYDER OIL CORPORATION P.O. BOX 695 VERNAL, UT 84078

Snyder Oil Corporation

SOUTHMAN CANYON 4-4 NWSE SEC 4 T10S R23E UINTAH COUNTY, UT Lease # U-33433 Prepared By: TM 01/16/95

BUYS & ASSOCIATES, INC. Environmental Consultants

SNYDER OIL CORPORATION

VALVING DETAIL

(Site Security Diagram Attachment)

Position of Valves and Use of Seals for Tanks in Production Phase

| Valve | Line Purpose | Position | Seal Installed |
|-------|--------------------|----------|----------------|
| E | Overflow/Equalizer | Closed | Yes |
| F | Fill | Open | No |
| w | Water | Closed | Yes |
| D | Drain | Closed | Yes |
| S | Sales | Closed | Yes |

Position of Valves and Use of Seals for the Tank in Sales Phase

| Valve | Line Purpose | Position | Seal Installed |
|-------|--------------------|----------|----------------|
| E | Overflow/Equalizer | Closed | Yes |
| F | F Fill | | Yes |
| W | Water | Closed | Yes |
| D | Drain | Closed | Yes |
| S | Sales | Closed* | Yes |

^{*}The sales line will be opened by the purchaser at the time of sale. Until that time the sales line will remain closed and sealed.

FORM 3160-5 (June 1990)

TED STATES _NT OF THE INTERIOR **BUREAU OF LAND MANAGEMENT**

FORM APPROVED

Conversion to Injection

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

Dispose Water

Budget Bureau No. 1004-0135

Expires: March 31, 1993

5. Lease Designation and Serial No. SUNDRY NOTICES AND REPORTS ON WELLS UTU-33433 Do not use this form for proposals to drill or to deepen or reentry a different reservoir. 6. If Indian, Allottee or Tribe Name Use "APPLICATION FOR PERMIT -" for such proposals 7. If Unit or CA, Agreement Designation SUBMIT IN TRIPLICATE 1. Type of Well Oil Gas Well Well Other 2. Name of Operator SNYDER OIL CORPORATION 3. Address and Telephone No. 801/789-0323 11. County or Parish, State P. O. Box 695, Vernal, UT 84078 4. Location of Well (Footage, Sec., T., R., m., or Survey Description) UNTAH COUNTY & MINING 1613' FSL 1329' FEL NW/SE Section 4, T10S, R23E CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA TYPE OF ACTION TYPE OF SUBMISSION Abandonment Change of Plans Notice of Intent New Construction Recompletion Non-Routine Fracturing Plugging Back Subsequent Report Water Shut-Off Casing Repair

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Other

Altering Casing

Final Abandonment Notice

Snyder Oil Corporation requests approval to change from a quarterly calibration schedule to a biannual calibration schedule for the above referenced well. This well makes less than 100 MCF/day.

| I hereby certify that the foregoing it true and correct Signed Lacy Nemec | Title Senior Clerk | | Date 26-Mar-96 |
|--|--|----------------------|--|
| (This space for Federal or State office (15)) Approved by Conditions of approval, if any: | Title | * | Date |
| Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and will statements or representations as to any matter within its jurisdiction. | fully to make to any department or agenc | y of the United Stat | es any false, fictitious or fraudulent |

Santa Fe Energy Resources, Inc.

June 7, 1999

State of Utah
Division of Oil, Gas & Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, UT 84180-1203

RE: \$80,000 Surety Blanket P & A Bond #JZ7777

Dear Sir or Madam:

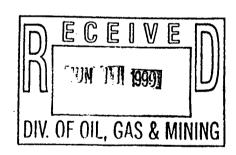
Enclosed is the above bond for Santa Fe Snyder Corporation. This corporation was formed when Snyder Oil Corporation was merged into Santa Fe Energy Resources, Inc. on May 5, 1999. Copies of the approved merger, issued by the Delaware Secretary of State, are enclosed for your files.

Thank you for your assistance in this matter.

Very truly yours,

Phillip W. Bode

Enclosure





1200 Smith, Suite 3300 Houston, Texas 77002 713-646-6600

June 7, 1999

State of Utah
Division of Oil, Gas & Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, UT 84180-1203

RE: \$80,000 Surety Blanket P & A Bond #5736975

Dear Sir or Madam:

Santa Fe Snyder Corporation was formed when Snyder Oil Corporation was merged into Santa Fe Energy Resources, Inc. on May 5, 1999. Copies of the approved merger, issued by the Delaware Secretary of State, are enclosed for your files.

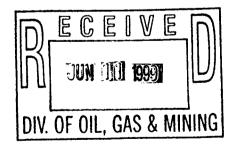
As this merger causes "Snyder" to cease to exist and their activities are covered by bond #JZ7777, please release bond # 5736975 and return it to the sender.

Thank you for your assistance in this matter.

Very truly yours,

Phillip W. Bode

Enclosure

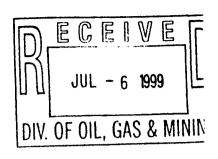




United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office P.O. Box 45155 Salt Lake City, UT 84145-0155



In Reply Refer To: 3106 U-19037 et al (UT-932) nn 1 1999

NOTICE

Santa Fe Snyder Corporation 840 Gessner, Suite 1400 Houston, TX 77024 Oil and Gas

Merger Recognized
Name Change Recognized

Acceptable evidence has been filed in this office concerning the merger of Snyder Oil Corporation into Santa Fe Energy Resources, Inc. and the name being subsequently changed to Santa Fe Snyder Corporation as the surviving entity.

For our purposes the merger and name change are recognized effective June 1, 1999, per company request.

The oil and gas lease files identified on the enclosed exhibits have been noted as to the merger and name change. The exhibits were compiled from lists supplied by Santa Fe Snyder Corporation. We have not adjudicated the case files to determine if the entities affected by the merger and name change hold an interest in the leases identified, nor have we attempted to identify leases where the entities are the operator on the ground, maintaining no vested record title or operating rights interest. We are notifying the Minerals Management Service and all applicable BLM offices of the merger and name change by a copy of this notice. If additional documentation for a change of operator are required by our Field Offices, you will be contacted by them.

By recognition of the merger and the name change the principal on bonds held by Snyder and Santa Fe are automatically changed to Santa Fe Snyder Corporation. Riders to Nationwide Bond No. 400JF 5493 (BLM Bond No. UT0855) and Nationwide Bond No. 5473615 (BLM Bond No. WY2912) have been filed in the Utah State Office. It is the request of Santa Fe Snyder Corporation to change the name on BLM Bond No. UT0855 to reflect the merger/name change, and to terminate the period of liability on BLM Bond No. WY2912. A decision regarding this matter will follow in due course.

Christopher J. Merritt Acting Group Leader, Minerals Adjudication Group

Enclosures

- 1. Santa Fe Energy Resources, Inc. Exhibit of Leases
- 2. Snyder Oil Corporation Exhibit of Leases

cc:

All State Offices
Moab Field Office
Vernal Field Office
Wernal Field Office
MMS-Reference Data Branch, MS 3130, P.O. Box 5860, Denver, CO 80217
State of Utah, DOGM, Attn: Kristen Risbeck (Ste. 1210) Box 145801, SLC, UT 84114-5801
St. Paul Fire & Marine Insurance Co., 385 Washington St., St. Paul, MN 55102
SAFECO Insurance Company of America, SAFECO Plaza, Seattle, WA 98185
Santa Fe Snyder Corp., Attn: Phyllis Sobotik, 1625 Broadway, #2200, Denver, CO 80202
Irene Anderson (UT-932)

Teresa Thompson (UT-931)

SANTA FE LEASES

| <u>LESSOR</u> | STATE | LESSOR | STATE |
|------------------------|-------|--------------------------|-------|
| BLM NMNM-92488 | NM | BLM WYW-59145 | WY |
| BLM NMNM-45235 | NM | BLM WYW-43661 | WY |
| BLM NMNM-24877 | NM | BLM WYW-0311938 | WY |
| BLM NMNM-93398 | NM | BLM WYW-52562 | WY |
| BLM NMNM-96591 | NM | BLM WYW EV-022932 | WY |
| BLM NMNM-77894 | NM | BLM WYW-27645 | WY |
| BLM NMNM-65900 | NM | BLM WYW-043930-A | WY |
| BLM NMNM-87977 | NM | BLM WYW EV-026056 | WY |
| BLM NMNM-65864 | NM | BLM WYW-0322610 | WY |
| BLM NMNM-95879 | NM | BLM WYW-0320213 | WY |
| BLM NMNM-97394 | NM | BLM EV-023313-A | WY |
| BLM NMNM-98005 | NM | BLM WYW-9578 | WY |
| BLM NMNM-98006 | NM | BLM WYW-96918 | WY |
| BLM NMNM-98010 | NM | BLM WYW-0320078 | WY |
| BLM NMNM-95418 | NM | BLM WYW-035599 | WY |
| BLM NMNM-25667 | NM | BLM WYW-2120 | WY |
| BLM NMNM-98300 | NM | BLM WYEV-024469 | WY |
| BLM NMNM-98033 | NM | BLM WYW-0136175 | WY |
| BLM NMNM-998271 | NM | BLM WYW-0136177 | WY |
| BLM NMNM-98305 | NM | BLM WYW-05991 | WY |
| BLM NMNM-91179 | NM | BLM WYW-02736 | WY |
| BLM NMNM-85420 | NM | BLM WYW EV-025548 | WY |
| BLM NMNM-100956 | NM | BLM EV-023313-E | WY |
| BLM NMNM-58393 | NM | BLM EV-023313-B | WY |
| BLM OKNM 23555 | OK | BLM WYW-21124 | WY |
| BLM NM 15074 (OKLA) | OK | BLM WYW EV-022931 | WY |
| BLM UTU-19037 | UT | BLM WYW-61240 | WY |
| BLM UTU-55626 | UT | BLM WYW-18480 | WY |
| BLM UTU-38354 | UT | BLM WYW-51654 | WY |
| BLM UTU-38401 | UT | BLM WYW-50676 | WY |
| BLM UTU-38430 | UT | BLM COC-036289 A&B | WY |
| BLM UTU-42823 | UT | BLM WYW-0942 | WY |
| BLM WYEV-026201 | WY | BLM WYW-63210 | WY |
| BLM WYW-35860 | WY | BLM WYW-66866 | WY |
| BLM WYW-47198 | WY | BLM WYW-102793 | WY |
| BLM WYEV-022765 | WY | BLM WYW-107726 | WY |
| BLM WYEV-023941 | WY | BLM W-70335 | WY |
| BLM WYEV-026196 | WY | BLM W-70496 | WY |
| BLM WYEV-026201 | WY | BLM W-70326 | WY |
| BLM WYEV-026202 | WY | BLM W-55746 | WY |
| BLM WYEV-026204 | WY | BLM W-56480 | WY |
| BLM WYEV-026205 | WY | | |
| BLM WYEV-026208 | WY | | |
| BLM WYEV-026209 | WY | | |
| BLM WYW-04674 | WY | | |
| BLM WYW-023207 | WY | | |
| BLM WYW-023211 | WY | | |
| BLM WYW-0268735 | WY | | |
| BLM WYCHEY-037066 | WY | | |
| BLM WYW-58075 | WY | | |
| BLM WYW-17284 | WY | | |
| BLM WYW-17296 | WY | | |
| BLM WYW-17282(A) | WY | | |
| BLM WYW-55067 | WY | | |

SNYDER LEASES

| <u>LESSOR</u> | STATE | LESSOR | STATE |
|-----------------------|-------|-----------------|-------|
| USA COC-33237 | CO | USA U-0136484 | UT |
| USA COC-36719 | CO | USA U-37573 | UT |
| USA LAES 49122 | LA | USA U-33433 | UT |
| USA LAES 49123 | LA | USA U-47172 | UT |
| USA LAES 49124 | LA | USA U-37355 | UT |
| USA LAES 49125 | LA | USA UTU-15855 | UT |
| USA LAES 49127 | LA | USA U-0142175 | UT |
| USA LAES 49128 | LA | USA UTU-02651 | UT |
| USA LAES 49129 | LA | USA UTU-02651-B | UT |
| USA LAES 49130 | LA | USA U-34705 | UT |
| USA LAES 49131 | LA | USA U-40729 | UT |
| USA LAES 49132 | LA | USA U-58097 | UT |
| USA LAES 49133 | LA | USA U-30289 | UT |
| USA LAES 49134 | LA | USA UTU-72632 | UT |
| USA LAES 49135 | LA | USA UTU-73013 | UT |
| USA LAES 49136 | LA | USA UTU-64376 | UT |
| USA LAES 49137 | LA | USA UTU-38261 | UT |
| USA LAES 49138 | LA | USA UTU-28212 | UT |
| USA LAES 49139 | LA | USA UTU-28213 | UT |
| USA LAES 49140 | LA | USA UTU-38419 | UT |
| USA LAES 49141 | LA | USA U-53861 | UT |
| USA LAES 49142 | LA | USA UTU-38418 | UT |
| USA LAES 49143 | LA | USA UTU-66401 | UT |
| USA LAES 49144 | LA | USA U-38423 | UT |
| USA LAES 49145 | LA | USA UTU-38425 | UT |
| USA LAES 49146 | LA | USA U-38421 | UT |
| USA LAES 49147 | LA | USA UTU-38428 | UT |
| USA LAES 49148 | LA | USA U-38420 | UT |
| USA LAES 49149 | LA | USA UTU-34350 | UT |
| USA LAES 49150 | LA | USA UTU-39223 | UT |
| USA LAES 49151 | LA | USA U-64923 | UT |
| USA LAES 49152 | LA | USA UTU-40736 | UT |
| USA LAES 49153 | LA | USA U-075939 | UT |
| USA LAES 49154 | LA | USA U-70235 | UT |
| USA LAES 49155 | LA | USA UTU-44426 | UT · |
| USA LAES 49156 | LA | USA UTU-57495 | UT |
| USA LAES 49157 | LA | USA UTU-57503 | UT |
| USA LAES 49158 | LA | USA UTU-52106 | UT |
| USA LAES 49159 | LA | USA UTU-59121 | UT |
| USA LAES 49160 | LA | USA UTU-73009 | UT |
| USA LAES 49161 | LA | USA UTU-73010 | UT |
| USA LAES 49162 | LA | USA UTU-50490 | UT |
| USA LAES 49163 | LA | USA UTU-65126 | UT |
| USA LAES 49164 | LA | USA UTU-49228 | UT |
| USA LAES 49165 | LA | USA UTU-53127 | UT |
| USA LAES 49166 | LA | USA UTU-65132 | UT |
| USA LAES 49167 | LA | USA UTU-63951 | UT |
| USA LAES 49168 | LA | USA UTU-47483 | UT |
| USA LAES 49169 | LA | USA UTU-63978 | UT |
| USA LAES 49170 | LA | USA UTU-69116 | UT |
| USA LAES 49171 | LA | USA UTU-65138 | UT |

SNYDER LEASES

| LESSOR | <u>STATE</u> | LESSOR | STATE |
|-----------------------|--------------|-----------------|-------|
| USA LAES 49172 | LA | USA UTU-54774 | UT |
| USA LAES 49173 | LA | USA UTU-71230 | UT |
| USA LAES 49174 | LA | USA UTU-71234 | UT |
| USA LAES 49175 | ĪĀ. | USA UTU-44799 | UT |
| USA LAES 49176 | LA | USA UTU-57512 | UT |
| USA LAES 49177 | LA | USA UTU-53084 | UT |
| USA LAES 49178 | LA | USA UTU-53938 | UT |
| USA LAES 49179 | LA | USA UTU-61936 | UT |
| USA LAES 49180 | ĹA | USA UTU-47127 | UT |
| USA LAES 49181 | LA | USA UTU-53918 | UT |
| USA LAES 49183 | LA | USA UTU-47484 | UT |
| USA LAES 49194 | ĹA | USA UTU-53946 | UT |
| USA LAES 49198 | LA | USA UTU-53941 | UT |
| USA LAES 49199 | LA | USA UTU-42531 | UT |
| USA LAES 49200 | LA | USA U-49245 | UT |
| USA LAES 49201 | LA | USA U-50802 | UT |
| USA MTM-38582-A | MT | USA UTU-0647 | UT |
| USA MTM-63708 | MT | USA UTU-50687 | UT |
| USA M-13323 (ND) | ND | USA UTU-37116 | UT |
| USA M-68863 (SD) | SD | USA UTU-59122 | UT |
| USA UTU-70189 | UT | USA UTU-63985 | UT |
| USA UTU-73175 | UT | USA UTU-52298 | UT |
| USA UTU-73434 | UT | USA UTU-7386 | UT |
| USA UTU-73435 | ÜT | USA UTU-67178 | UT |
| USA UTU-73444 | UT | USA UTU-67549 | UT |
| USA UTU-73450 | UT | USA UTU-74416 | UT |
| USA U-8345 | ÜT | USA UTU-74413 | UT |
| USA U-14646 | UT | USA UTU-73900 | UT |
| USA U-66746 | UT | USA UTU-67868 | UT |
| USA UTU-42469 | UT | USA UTU-74414 | UT |
| USA U-65222 | UT | USA UTU-49530 | UT |
| USA U-61263 | UT | USA UTU-53860 | UT |
| USA UTU-29535 | UT | USA UTU-34711 | UT |
| USA U-25880 | UT | USA UTU-46699 | UT |
| USA U-65223 | UT | USA UTU-73643 | UT |
| USA U-29797 | UT | USA UTU-0141804 | UT |
| USA UTU-0109054 | UT | USA UTU-75091 | UT |
| USA UTU-8346 | UT | USA UTU-75097 | UT |
| USA U-8347 | UT | USA UTU-74972 | UT |
| USA UTU-8344 | UT | USA UTU-75096 | UT |
| USA U-8344-A | UT | USA UTU-74415 | UT |
| USA UTU-8348 | UT | USA UTU-38401 | UT |
| USA U-38424 | UT | USA UTU-38411 | UT |
| USA U-38427 | UT | USA UTU-31260 | UT |
| USA SL-065841-A | UT | USA UTU-59654 | UT |
| USA UTU-31736 | UT | USA U-14219 | UT |
| USA U-38426 | UT | USA UTU-30123 | UT |
| USA U-44090-A | UT | USA UTU-34714 | UT |
| USA U-71694 | UT | USA UTU-10134 | UT |
| USA U-72028 | UT | USA UTU-10830 | UT |
| USA U-51026 | UT | USA UTU-14223 | UT |

Santa Fe Snyder Corporation

July 2, 1999

Utah Division of Oil, Gas & Mining 1594 W. North Temple, Suite 1210 P. O. Box 145801 Salt Lake City, Utah 84114-5801

Attn.: Ms. Kristen Risbeck

RE: Company Merger

Surety Bond Number - JZ 7777 Operator Number - N2000

Dear Ms. Risbeck:

Snyder Oil Corporation (SOCO) and Santa Fe Energy Resources, Inc. (Santa Fe) have merged to form Santa Fe Snyder Corporation (SFS). The legal acceptance date of the merger is May 5, 1999. However in an effort to simplify documentation issues, SFS requests that June 1, 1999 be used as the effective date of merger.

Please change all operated facilities, Applications to Drill (approved and in process) and any other regulatory filings from Snyder Oil Corporation to Santa Fe Snyder Corporation. Attached is the following information in support of this request.

Copy of Merger Certificate
Copy of the Office of the Secretary of State's Acceptance
Sundry Notices for Properties Located on Fee or State Land
Sundry Notice for Federal Properties
Spreadsheet of all Utah Facilities Operated by SOCO

All correspondence, documents, notifications, etc. should continue to be sent to SFS at the following address

1625 Broadway, Suite 2200 Denver, CO 80202

Please inform SFS when this request has been accepted and the changes are finalized. If any questions arise or additional information is required, please contact me at 303-592-8668.

Myllis Sobotik

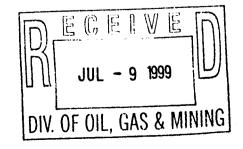
acerely,

Sr. Regulatory Specialist

/ps

Enclosures:

1625 Broadway Suite 2200 Denver, Colorado 80202 303/592-8500 Fax 303/592-8600



Office of the Secretary of State

I, EDWARD J. FREEL, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF MERGER, WHICH MERGES:

"SNYDER OIL CORPORATION", A DELAWARE CORPORATION,

WITH AND INTO "SANTA FE ENERGY RESOURCES, INC." UNDER THE NAME OF "SANTA FE SNYDER CORPORATION", A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, AS RECEIVED AND FILED IN THIS OFFICE THE FIFTH DAY OF MAY, A.D. 1999, AT 11 O'CLOCK A.M.

A FILED COPY OF THIS CERTIFICATE HAS BEEN FORWARDED TO THE NEW CASTLE COUNTY RECORDER OF DEEDS.



Edward J. Freel, Secretary of State

AUTHENTICATION:

9725623

DATE:

05-05-99

0774411 8100M

991177495

CERTIFICATE OF MERGER

Merger of Snyder Oil Corporation, a Delaware corporation With and Into Santa Fe Energy Resources, Inc., a Delaware corporation

Pursuant to the provisions of Section 251 of the Delaware General Corporation Law, the undersigned certifies as follows concerning the merger (the "Merger") of Snyder Oil Corporation, a Delaware corporation, with and into Santa Fe Energy Resources, Inc., a Delaware corporation, with Santa Fe Energy Resources, Inc. as the surviving corporation (the "Surviving Corporation").

- 1. The Agreement and Plan of Merger, dated as of January 13, 1999 (the Agreement and Plan of Merger being hereinafter referred to as the "Merger Agreement") has been approved, adopted, certified, executed and acknowledged by Snyder Oil Corporation and Santa Fe Energy Resources, Inc. in accordance with Section 251 of the Delaware General Corporation Law.
- 2. The Merger contemplated in the Merger Agreement and this Certificate of Merger will be effective immediately upon the filing of this Certificate of Merger
- 3. The name of the Surviving Corporation shall be Santa Fe Energy Resources, Inc. which shall be changed herewith to Santa Fe Snyder Corporation.
- 4. Article FIRST of the Restated Certificate of Incorporation of Santa Fe Energy Resources, Inc. is amended, effective as of the date hereof, to read in its entirety as follows:

"FIRST: The name of the corporation (hereinafter referred to as the "Corporation") is Santa Fe Snyder Corporation."

and that the first paragraph of Article FOURTH of the Restated Certificate of Incorporation of Santa Fe Energy Resources, Inc. is amended, effective as of the date hereof, to read in its entirety as follows:

"FOURTH: The total number of shares of all classes of capital stock which the Corporation shall have authority to issue is 350,000,000, of which 50,000,000 shares shall be Preferred Stock, par value \$.01 per share, and 300,000,000 shares shall be Common Stock, par value \$.01 per share."

The Restated Certificate of Incorporation of Santa Fe Energy Resources, Inc., as amended, in effect at the effective time of the Merger shall be the certificate of incorporation of the

Surviving Corporation.

- 5. The executed Merger Agreement is on file at the principal place of business of the Surviving Corporation, 1616 South Voss Road, Houston, Texas 77057.
- 6. A copy of the Merger Agreement will be furnished by the Surviving Corporation, on request and without cost, to any stockholder of Snyder Oil Corporation or Santa Fe Energy Resources, Inc.

Dated this 5th day of May, 1999.

SANTA FE ENERGY RESOURCES, INC.

Name: David L. Hicks

Title: Vice President — Law and

General Counsel

NITED STATES FORM APPROVED **FORM 3160-5** Budget Bureau No. 1004-0135 JENT OF THE INTERIOR DEPAR (June 1990) Expires: March 31, 1993 **BUREAU OF LAND MANAGEMENT** 5. Lease Designation and Serial No. SUNDRY NOTICES AND REPORTS ON WELLS See Attached List Do not use this form for proposals to drill or to deepen or reentry a different reservoir. 6. If Indian, Allottee or Tribe Name Use "APPLICATION FOR PERMIT -" for such proposals See Attached List 7. If Unit or CA, Agreement Designation SUBMIT IN TRIPLICATE 1. Type of Well 8. Well Name and No. Oil Gas See Attached List See Attached List Other Well Well 9. API Well No. See Attached List 2. Name of Operator Santa Fe Snyder Corporation Attn.: Phyllis Sobotik 10. Field and Pool, or Exploratory Area See Attached List 3. Address and Telephone No. 1625 Broadway, Suite 2200, Denver, CO 80202 303-592-8668 11. County or Parish, State 4. Location of Well (Footage, Sec., T., R., m., or Survey Description) See Attached List See Attached List CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA 12. TYPE OF ACTION TYPE OF SUBMISSION Change of Plans Abandonment Notice of Intent **New Construction** Recompletion Non-Routine Fracturing Plugging Back Subsequent Report Water Shut-Off Casing Repair Conversion to Injection Altering Casing Final Abandonment Notice Change of Operator Dispose Water Other Report results of multiple completion on Well Completion or Recompletion Report and Log form.) 13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)* Snyder Oil Corporation and Santa Fe Energy Resources, Inc. have merged to form Santa Fe Snyder Corporation. The legal acceptance date of the merger is May 5, 1999. However in an effort to simplify documentation issues, Santa Fe Snyder Corporation requests that June 1, 1999 be used as the effective date of merger. A copy of the Merger Certificate and of the Office of the Secretary of State's Acceptance is attached. Nationwide BLM Bond Number - UT-0855 Surety Bond Number - 400JF 5433 JUL - 9

DIV. OF OIL, GAS & MININ

Please contact Phyllis Sobotik at 303-592-8668 if you have any questions.

| 14. I hereby certify that the foregoing is true and carrect Signed | Title | Sr. Regulatory Specialist | Date | 01-Jul-99 |
|---|---------------------|--|---------------------------------|-----------|
| (This space for Federal of State office use) Approved by Conditions of approval, if any: | Title | | Date | |
| Title 18 U.S.C. Section 1001, makes it a crime for any person knowing statements or representations as to any matter within its jurisdiction. | ly and willfully to | o make to any department or agency of the United State | tes any false, fictitious or fr | audulent |

UTAH FACILITIES

| Lease | Unit Name | Tribe Name | Field | Stat | County | 1/41/4 | s | T/ | R | Lease Number | Mineral Type | API Number | Comments |
|-------------------------------------|-----------------|---------------------------------------|---------------------------------------|------|--------|---------|-------|-----|----------------|-----------------|-----------------|-----------------------|-------------------------|
| Horseshoe Bend #4-10 | | | Horseshoe Bend | INA | Uintah | NW/SE | 4 | 78 | 22E | U 0136484 | FED | 43-047-32577 | 11728 |
| Horseshoe Bend #36-1P | | | Horseshoe Bend | ACT | Uintah | SE/SE | 36 | 68 | | ML 33225 | STATE | 43-047-31482 | 9815 |
| Horseshoe Bend Compressor Site | | | Horseshoe Bend | ACT | Uintah | | 4 | 78 | 21E | | - | 10 041-01402 | 1013 |
| Jack Rabbit #1-11 | | | Natural Buttes 🥶 | INA | Uintah | SW/NE | 11 | 108 | ├── | U 38425 | FED | 43-047-30423 | A15 |
| L.C.K. #30-1H | | | Horseshoe Bend | ACT | Uintah | SE/NE | 30 | 68 | | N/A | FEE | 43-047-31588 | |
| Lafkas Federal #1-3 | | | Hill Creek | INA | Uintah | SW/SW | 3 | 118 | | U 34350 | FED | 43-047-31178 | 10202 |
| Lizzard Creek #1-10 | | | Bitter Creek | ACT | Uintah | NW/NW | 10 | 118 | 22E | U 25880 | FED | 43.041.3146 | 1367 |
| Lookout Point #1-16 | | | Natural Buttes | ACT | Uintah | NE/SE | 16 | 108 | | ML 22186 A | STATE | 43-047-30544 | |
| Love Unit #1-11 | Love | | Love | ACT | Uintah | C/SW | 11 | 118 | | U 008344 A | FED | 43-047-30617 | 1495 |
| Love Unit #1-12 | Love | | Love | ACT | Uintah | SW/NW | 12 | 118 | | U 008344 A | FED | 43-047-30638 | 1366 |
| Love Unit #4-1 | Love | | Love | INA | Uintah | NW/SW | 4 | 118 | | U 8347 | FED | | 1366 |
| Love Unit #A1-18 | Love | · · · · · · · · · · · · · · · · · · · | Love | ACT | Uintah | SW/SE | 18 | 118 | - | U 8348 | | 43-047-30640 | 1366 |
| Love Unit #B1-10 | Love | | Love | ACT | Uintah | SE/SW | 10 | 115 | | U 8347 | FED | 43-047-30706 | 1366 |
| Love Unit #B2-3 | Love | | Love | INA | Uintah | sw/sw | 3 | 115 | | U 8347 | FED | 43-047-30709 | 1366 |
| Love Unit Compressor Site | | | Love | ACT | Uintah | 344/344 | | 118 | 21E | 0 6347 | FED | 43-047-307 6 6 | 1366 |
| Madeline #4-3C | | | Horseshoe Bend | ACT | Uintah | Lot 3 | 4 | 78 | | U 42469 | 550 | 40.047.0000 | llo-a |
| McLish #1 | Walker Hollow | - | Walker Hollow (Horseshoe Bend) | ACT | Uintah | sw/sw | 8 | 7S | | | FED | 43-047-32279 | 11379 |
| McLish #2 | Walker Hollow | | Walker Hollow (Horseshoe Bend) | INA | Uintah | SW/SE | 8 | 7S | | U 02651 | FED | 43-047-20280 | 2760 |
| McLish #3 | | | Walker Hollow (Horseshoe Bend) | ACT | Uintah | NE/SE | | | | U 02651 | FED | 43-047-30011 | 2760 |
| McLish #4 | Walker Hollow | | Walker Hollow (Horseshoe Bend) | INA | Uintah | NE/SW | 8 | 7S | | U 02651 | FED | 43-047-30027 | 12504 |
| Natural #1-7 | | ··· ··· · · · · · · · · · · · · · · · | Love (Horseshoe Bend) | INA | Uintah | NW/NE | 7 | 7S | - | U 02651 | FED | 43-047-30030 | 2760 |
| No Name Canyon #1-9 | | | Natural Buttes | ACT | Uintah | SE/NE | | 118 | | U 8345 | FED | 43-047-30148 | 6129 |
| No Name Canyon #2-9 | | | Natural Buttes | ACT | Uintah | NE/NW | 9 | 108 | | U 37355 | FED | 43-047-30378 | 1466 |
| NSO Federal #1-12 | | | Natural Buttes | ACT | Uintah | | | 108 | | U 37355 | FED | 43-047-31504 | 1468 |
| Pan American #1 | Walker Hollow | | Walker Hollow (Horseshoe Bend) | INA | Uintah | NE/NW | 12 | 10S | | U 38423 | FED | 43-047-30560 | 1480 |
| an American #2 | Walker Hollow | | Walker Hollow (Horseshoe Bend) | INA | Uintah | SW/NW | 9 | 7S | | U 02651 A | FED | 43-047-30037 | |
| Pariette Draw #28-44 | Trainer Florion | | Windy Ridge West (Eight Mile Flat N.) | ACT | Uintah | NW/SW | 9 | 78 | | | FED | 43-047-30038 | 2760 |
| Pete's Flat #1-1 | | | Natural Buttes | | | SE/SE | 28 | 48 | | | FEE | 43-047-31408 | 4960 |
| Sage Hen #1-6 | | | Natural Buttes | | Uintah | NE/SE | | 108 | | | FED | 43-047-30558 | 1510 |
| Sagebrush #1-8 | | | Natural Buttes | | Uintah | NE/SE | 6 | 108 | $\overline{}$ | U 38419 | FED | 43-047-30382 | 1490 |
| Sheepherder #1-10 | | | Natural Buttes | | Uintah | SW/NE | 8 | 108 | | | FED | 43-047-30383 | 1467 |
| Southman Canyon #1-5 (Federal #1-5) | | | Natural Buttes | ACT | Uintah | NE/SE | 10 | 108 | | U 38424 | FED | 43-047-30559 | 1470 |
| Southman Canyon #3 | | | · · · · · · · · · · · · · · · · · · · | ACT | Uintah | SE/NW | 5 | 108 | | | | 43-047-30856 | 10689 |
| Southman Canyon #4-4 (Federal #4-4) | | | Natural Buttes | WDW | | NE/SE | 15 | 108 | | U 66406 | | | Saltwater Disposal 9999 |
| Southman Canyon #4-5 | | | Natural Buttes | | | NW/SE | 4 | 108 | | | FED | 43-047-30632 | 10090 |
| Southman Canyon #9-3M | | | Natural Buttes | ACT | | NE/SE | 5 | 108 | | U 33433 | | 43-047-30633 | 6131 |
| Southman Canyon #9-4J | | | Natural Buttes | | | SW/SW | 9 | 108 | | | | 43-047-32540 | 11767 |
| Southman Canyon #31-1L | | | Natural Buttes | | | NW/SE | 9 | 108 | | | | 43-047-32541 | 11685 |
| State #14-16 | | | | | | SW/ | 31 | 98 | 23E | U 33433 | FED | 43-047-32543 | 11678 |
| State #14-10 | L | | Brennan Bottom | ACT | Uintah | SW/SW | 16 | 7S | 21E | ML 40904 | STATE | 43-047-31417 | 8010 |

Page 2

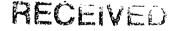
STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES

| | DIVISION OF OIL, GAS AND MI | INING | | 5. LEASE DESIGNATION AND SERIAL NUMBER: |
|---|--|-----------------------|----------------------------------|---|
| SUNDRY | NOTICES AND REPORT | S ON WEI | LS | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME: |
| SONDIC | NO HOLO AND KEI OKI | o on mee | | 7. UNIT or CA AGREEMENT NAME: |
| Do not use this form for proposals to drill m | new wells, significantly deepen existing wells below curblerals. Use APPLICATION FOR PERMIT TO DRILL | rrent ballom-hale dep | th, reenter plugged wells, or to | |
| TYPE OF WELL | | | | 8. WELL NAME and NUMBER: |
| OIL WELL | GAS WELL OTHER | | | Exhibit "A" |
| . NAME OF OPERATOR: | D 1 O:1 6 0 / | 2 | | 9. API NUMBER: |
| El Paso ADDRESS OF OPERATOR: | Production Oil & Gas (| company | PHONE NUMBER: | 10. FIELD AND POOL, OR WILDCAT: |
| South 1200 East on | y Vernal state Utah zu | 84078 | 435-789-4433 | |
| I. LOCATION OF WELL | T VEITHET SINIE OCCURE | | | |
| FOOTAGES AT SURFACE: | | | | COUNTY: |
| QTR/QTR, SECTION, TOWNSHIP, RAF | IGE, MERIDIAN: | 4.5 | | STATE: |
| | | | | UTAH |
| II. CHECK APP | ROPRIATE BOXES TO INDICA | TE NATURE | OF NOTICE, REPO | RT, OR OTHER DATA |
| TYPE OF SUBMISSION | | | YPE OF ACTION | |
| | ACIDIZE | DEEPEN | | REPERFORATE CURRENT FORMATION |
| NOTICE OF INTENT (Submit in Duplicate) | ALTER CASING | FRACTURE | TREAT | SIDETRACK TO REPAIR WELL |
| Approximate date work will start: | CASING REPAIR | NEW CON | STRUCTION | · TEMPORARILY ABANDON |
| | CHANGE TO PREVIOUS PLANS | OPERATO | R CHANGE | TUBING REPAIR |
| | CHANGE TUBING | PLUG AND | ABANDON | VENT OR FLARE |
| SUBSEQUENT REPORT | CHANGE WELL NAME | PLUG BAC | | WATER DISPOSAL |
| (Submit Original Form Only) | CHANGE WELL STATUS | <u> </u> | ION (START/RESUME) | WATER SHUT-OFF |
| Date of work completion: | COMMINGLE PRODUCING FORMATIONS | | TION OF WELL.SITE | X OTHER: Name Change |
| | CONVERT WELL TYPE | 드 | ETE - DIFFERENT FORMATION | M. Stille Maine Stienge |
| | | | | |
| | OMPLETED OPERATIONS. Clearly show all | | | |
| As a result of | the merger between The | Coastal C | Corporation and | a wholly owned |
| subsidery of El | Paso Energy Corporation | on, the na | me of Coastal | Oil & Gas Corporation |
| | | | | |
| has been change | ed to El Paso Production | n Oil & Ga | is Company effe | ective March 9, 2001. |
| | | | | |
| | See F | Exhibit "A | 7 | |
| | | | | |
| | | | | |
| | | | | |
| Bond # 400JU07 | | | | |
| Coast | al Oil & Gas Corporation | on | 711 Due 1 | J #- |
| NAME (PLEASE PRINT) John | T Elzner | · TIT | E Vice Presi | aenc |
| | | DAT | TE 06-15-01 | |
| SIGNATURE | | | | |
| \ / | aso Production Oil & Ga | s Company | *** | 1 |
| NAME (PLEASE PRIMI) John | T Elzner | TI | TLE Vice Presi | dent |
| | | | ATE 06-15-01 | |
| SIGNATURE | 7 | 0 | ATE | |
| | $\overline{}$ | | | girles patients a fire upones at the sat the first of the |
| This space for State use only) | | | | BECEIVE |

JUN 19 2001

Office of the Secretary of State

I, HARRIET SMITH WINDSOR, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF AMENDMENT OF "COASTAL OIL & GAS CORPORATION", CHANGING ITS NAME FROM "COASTAL OIL & GAS CORPORATION" TO "EL PASO PRODUCTION OIL & GAS COMPANY", FILED IN THIS OFFICE ON THE NINTH DAY OF MARCH, A.D. 2001, AT 11 O'CLOCK A.M.



HIN . 2991

DIVISION OF DIL. GAS AND MINNE



Darriet Smith Windson Harriet Smith Windson Secretary of State

AUTHENTICATION: 1061007

DATE: 04-03-01

0610204 8100

010162788

CERTIFICATE OF AMENDMENT

OF

CERTIFICATE OF INCORPORATION

COASTAL OIL & GAS CORPORATION (the "Company"), a corporation organized and existing under and by virtue of the General Corporation Law of the State of Delaware, DOES HEREBY CERTIFY:

FIRST: That the Board of Directors of the Company, by the unanimous written consent of its members, filed with the minutes of the Board, adopted a resolution proposing and declaring advisable the following amendment to the Certificate of Incorporation of the Company:

RESOLVED that it is deemed advisable that the Certificate of Incorporation of this Company be amended, and that said Certificate of Incorporation be so amended, by changing the Article thereof numbered "FIRST." so that, as amended, said Article shall be and read as follows:

"FIRST. The name of the corporation is El Paso Production Oil & Gas Company."

SECOND: That in lieu of a meeting and vote of stockholders, the stockholders entitled to vote have given unanimous written consent to said amendment in accordance with the provisions of Section 228 of the General Corporation Law of the State of Delaware.

THIRD: That the aforesaid amendment was duly adopted in accordance with the applicable provisions of Sections 242 and 228 of the General Corporation Law of the State of Delaware.

IN WITNESS WHEREOF, said COASTAL OIL & GAS CORPORATION has caused this certificate to be signed on its behalf by a Vice President and attested by an Assistant Secretary, this 9th day of March 2001.

COASTAL OIL & GAS CORPORATION

David L. Siddall Vice President

Attest:

STATE OF DELAWARE SECRETARY OF STATE OF CORPORATIONS E. Roark, Assistant Secretary RECEIVED FILED 11:00 AM 03/09/2001 010118394 - 0610204

10N 19 2001

DIVISION OF OIL, GAS AND MINING



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office P.O. Box 45155 Salt Lake City, UT 84145-0155

RECEIVED

JUL 1 2 2001

DIVISION OF OIL, GAS AND MINING

In Reply Refer To: 3106 UTSL-065841 (UT-924)

JUL 1 0 2001 -

NOTICE

El Paso Production Oil & Gas Company

Oil and Gas

Nine Greenway Plaza

Houston TX 77046-0095

:

Name Change Recognized

Acceptable evidence has been received in this office concerning the name change of <u>Coastal Oil & Gas Corporation</u> into <u>El Paso Production Oil & Gas Company</u> with <u>El Paso Production Oil & Gas Company</u> being the surviving entity.

For our purposes, the name change is recognized effective March 9, 2001.

The oil and gas lease files identified on the enclosed exhibit have been noted as to the name change. The exhibit was compiled from a list of leases obtained from our computer program. We have not abstracted the lease files to determine if the entities affected by this name change hold an interest in the leases identified nor have we attempted to identify leases where the entitities are the operator on the ground maintaining no vested recorded title or operating rights interests. We will be notifying the Minerals Management Service and all applicable Bureau of Land Management offices of the change by a copy of this notice. If additional documentation for changes of operator are required by our Field Offices, you will be contacted by them.

If you identify additional leases in which the entities maintain an interest, please contact this office and we will appropriately document those files with a copy of this Notice.

Due to the name change, the name of the principal/obligor on the bond is required to be changed from <u>Coastal Oil & Gas Corporation</u> to <u>El Paso Production Oil & Gas Company</u>. You may accomplish this either by consent of surety rider on the original bond or a rider to the original bond. The bonds are held in Wyoming and Colorado.

Opolonia L. Abeyta Acting Chief, Branch of Minerals Adjudication

Enclosure

1. Exhibit of Leases (1 pp)

cc: Moab Field Office

Vernal Field Office

MMS, Reference Data Branch, MS3130, PO Box 5860, Denver CO 80217

State of Utah, DOGM, Attn: Jim Thompson (Ste. 1210), Box 145801, SLC UT 84114

Teresa Thompson (UT-922)

Joe Incardine (UT-921)

Exhibit of Leases

| * 100 TOT 0 C 5 0 4 1 A | 11771 47170 | UTU-74415 | UTU-53860 |
|-------------------------|-------------------|-------------|-----------|
| UTUSL-065841A | UTU-47172 | UTU-74416 | UTU-66401 |
| UTU-28652 | UTU-50687 | UTU-75091 | UTU-67868 |
| UTU-37943 | UTU-52298 | UTU-75096 | UTU-65389 |
| UTU-44089 | UTU-0109054 | UTU-75097 | UTU-77084 |
| UTU-44090A | UTU-0143511 | UTU-75673 | UTU-61430 |
| UTU-61263 | UTU-0143512 | UTU-76259 | UTU-72633 |
| UTU-00343 | UTU-38401 | UTU-76260 | UTU-72650 |
| UTU-02651 | UTU-38411 | UTU-76261 | UTU-49692 |
| UTU-02651B | UTU-38418 | UTU-76493 | UTU-57894 |
| UTU-0142175 | UTU-38419 | UTU-76495 | UTU-76829 |
| UTU-70235 | UTU-38420 | UTU-76503 | UTU-76830 |
| UTU-70406 | UTU-38421 | UTU-78228 | UTU-76831 |
| UTU-74954 | UTU-38423 | = | 010-70831 |
| UTU-75132 | UTU-38424 | UTU-78714 | |
| UTU-75699 | UTU-38425 | UTU-78727 | |
| UTU-76242 | UTU-38426 | UTU-78734 | |
| UTU-78032 | UTU-38427 | UTU-79012 | |
| UTU-4377 | UTU-38428 | UTU-79011 | |
| UTU-4378 | UTU-53861 | UTU-71694 | |
| UTU-7386 | UTU-58097 | UTU-00576 | |
| UTU-8344A | UTU-64376 | UTU-00647 | |
| UTU-8345 | UTU-65222 | UTU-01470D | |
| UTU-8347 | UTU-65223 | UTU-0136484 | |
| UTU-8621 | UTU-66746 | UTU-8344 | |
| UTU-14646 | UTU-67178 | UTU-8346 | |
| UTU-15855 | UTU-67549 | UTU-8648 | |
| UTU-25880 | UTU-72028 | UTU-28212 | |
| UTU-28213 | UTU-72632 | UTU-30289 | |
| UTU-29535 | UTU-73009 | UTU-31260 | |
| UTU-29797 | UTU-73010 | UTU-33433 | |
| UTU-31736 | UTU-73013 | UTU-34711 | |
| UTU-34350 | UTU-73175 | UTU-46699 | |
| UTU-34705 | UTU-73434 | UTU-78852 | |
| UTU-37116 | UTU-73435 | UTU-78853 | |
| UTU-37355 | UTU-73444 | UTU-78854 | |
| UTU-37573 | UTU-73450 | UTU-075939 | |
| UTU-38261 | UTU-73900 | UTU-0149767 | |
| UTU-39223 | UTU-74409 | UTU-2078 | |
| UTU-40729 | UTU-74410 | UTU-44426 | |
| UTU-40736 | UTU-74413 | UTU-49530 | |
| UTU-42469 | UTU-74414 | UTU-51026 | |
| 0.0 .2.0 | = = = · · · · · · | | |

OPERATOR CHANGE WORKSHEET

6-FILE

Enter date after each listed item is completed

Change of Operator (Well Sold)

Designation of Agent

JLT

06/19/2001

608186-0143

Business Number:

06/21/2001

Operator Name Change (Only)

X Merger

| (New Operator): ASO PRODUCTIO ess: 9 GREENWA STON, TX 77046-0 e: 1-(832)-676-4 unt N1845 IITY SEC TWN RNG 01-10S-23E 0 04-10S-23E 05-10S-23E 9 05-10S-23E | DY PLAZA S D995 T721 LEASE TYPE | WELL TYPE GW GW | WELL STATUS S |
|--|--|--|---|
| ASO PRODUCTIO ess: 9 GREENWA STON, TX 77046-0 e: 1-(832)-676-4 unt N1845 ITY SEC TWN RNG 01-10S-23E 0 04-10S-23E 05-10S-23E | LEASE TYPE FEDERAL FEDERAL FEDERAL | WELL TYPE GW GW | WELL STATUS S |
| ess: 9 GREENWA STON, TX 77046-0 e: 1-(832)-676-4 unt N1845 IITY SEC TWN RNG 01-10S-23E 0 04-10S-23E 05-10S-23E | LEASE TYPE FEDERAL FEDERAL FEDERAL | WELL TYPE GW GW | WELL STATUS S |
| ISTON, TX 77046-0 e: 1-(832)-676-4 unt N1845 IITY SEC TWN RNG 01-10S-23E 0 04-10S-23E 05-10S-23E | D995 1721 LEASE TYPE FEDERAL FEDERAL FEDERAL | WELL TYPE GW GW | WELL STATUS S |
| e: 1-(832)-676-4 unt N1845 it: ITY SEC TWN RNG 01-10S-23E 0 04-10S-23E 05-10S-23E | LEASE TYPE FEDERAL FEDERAL FEDERAL | TYPE GW GW | STATUS S P |
| e: 1-(832)-676-4 unt N1845 it: ITY SEC TWN RNG 01-10S-23E 0 04-10S-23E 05-10S-23E | LEASE TYPE FEDERAL FEDERAL FEDERAL | TYPE GW GW | STATUS S P |
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| 0 04-10S-23E 05-10S-23E | FEDERAL FEDERAL | GW | P |
| 05-10S-23E | FEDERAL | | _ |
| | | GW | Ъ |
| 9 05-10S-23E | FEDERAL | 10 | P |
| 00 100 2020 | I DD DIG ID | GW | P |
| 06-10S-23E | FEDERAL | GW | P |
| 07-10S-23E | FEDERAL | GW | P |
| 07-10S-23E | FEDERAL | GW | P |
| 08-10S-23E | FEDERAL | GW | TA |
| 09-10S-23E | FEDERAL | GW | P |
| 09-10S-23E | FEDERAL | GW | P |
| 7 09-10S-23E | FEDERAL | GW | P |
| 5 09-10S-23E | FEDERAL | GW | P |
| 10-10S-23E | FEDERAL | GW | P |
| 11-10S-23E | FEDERAL | GW | S |
| 12-10S-23E | FEDERAL | GW | P |
| 14-10S-23E | FEDERAL | GW | P |
| | | | TA |
| 15-10S-23E | FEDERAL | GW | P |
| 17-10S-23E | FEDERAL | GW | S |
| 17-10S-23E | FEDERAL | GW | P |
| | 09-10S-23E 09-10S-23E 7 09-10S-23E 5 09-10S-23E 10-10S-23E 11-10S-23E 12-10S-23E 14-10S-23E 15-10S-23E 15-10S-23E 17-10S-23E | 09-10S-23E FEDERAL 09-10S-23E FEDERAL 7 09-10S-23E FEDERAL 5 09-10S-23E FEDERAL 10-10S-23E FEDERAL 11-10S-23E FEDERAL 12-10S-23E FEDERAL 14-10S-23E FEDERAL 15-10S-23E FEDERAL 15-10S-23E FEDERAL 17-10S-23E FEDERAL | 09-10S-23E FEDERAL GW 09-10S-23E FEDERAL GW 7 09-10S-23E FEDERAL GW 5 09-10S-23E FEDERAL GW 10-10S-23E FEDERAL GW 11-10S-23E FEDERAL GW 12-10S-23E FEDERAL GW 14-10S-23E FEDERAL GW 15-10S-23E FEDERAL GW 15-10S-23E FEDERAL GW 17-10S-23E FEDERAL GW |

(R649-8-10) Sundry or legal documentation was received from the NEW operator on:

Is the new operator registered in the State of Utah:

3.

The new company has been checked through the Department of Commerce, Division of Corporations Database on:

YES

| 5. | If NO, the operator was contacted contacted on: | N/A | |
|-----------|--|------------------------------------|---|
| 6. | Federal and Indian Lease Wells: The BLM and or or operator change for all wells listed on Federal or Indian le | | d the (merger, name change, |
| 7. | Federal and Indian Units: The BLM or BIA has ap for wells listed on: | proved the successor 07/10/2001 | of unit operator |
| 8. | Federal and Indian Communization Agreemen change for all wells listed involved in a CA on: | ts ("CA"): The BLM 07/10/2001 | f or the BIA has approved the operator |
| 9. | Underground Injection Control ("UIC") for the enhanced/secondary recovery unit/project for the wat | • • | UIC Form 5, Transfer of Authority to Inject , on: N/A |
| D | ATA ENTRY: | 00/00/00 | |
| 1. | Changes entered in the Oil and Gas Database on: | 08/23/2001 | |
| 2. | Changes have been entered on the Monthly Operator Chan | ge Spread Sheet on: | 08/23/2001 |
| 3. | Bond information entered in RBDMS on: | N/A | |
| 4. | Fee wells attached to bond in RBDMS on: | N/A | |
| Sī | TATE BOND VERIFICATION: | | |
| 1. | State well(s) covered by Bond No.: | N/A | |
| FI | EDERAL BOND VERIFICATION: | | |
| 1. | Federal well(s) covered by Bond No.: | WY 2793 | |
| FI | EE WELLS - BOND VERIFICATION/LEASE IN | NTEREST OWNER | NOTIFICATION: |
| 1. | (R649-3-1) The NEW operator of any fee well(s) listed cover | red by Bond No: | N/A |
| | The FORMER operator has requested a release of liability from The Division sent response by letter on: | om their bond on: N/A | N/A |
| 3. | (R649-2-10) The FORMER operator of the Fee wells has bee of their responsibility to notify all interest owners of this chan | | by a letter from the Division |
| | ILMING: All attachments to this form have been MICROFILMED on | : | |
| | ILING: ORIGINALS/COPIES of all attachments pertaining to each i | individual well have been | filled in each well file on: |
| <u>cc</u> | OMMENTS: Master list of all wells involved in operato | or change from Coasta | al Oil & Gas Corporation to El Paso |
| Pr | roduction Oil and Gas Company shall be retained in t | ne "Operator Change | FIIE". |
| | | | |
| | | | |
| | | | |

JAN. 17. 2003 3:34PM

1 PORT

NO. 173 P. 2



WESTPORT OIL AND GAS COMPANY, L.P.

410 Seventeenth Street #2300 Deriver Colorado \$0202-4436 Telephonet 303 573 5404 Fast: 303 573 5609

February 1, 2002

Department of the Interior
Bureau of Land Management
2850 Youngfield Street
Lakewood, CO 80215-7093
Attention: Ms. Martha Maxwell

RE:

BLM Bond CO-1203

BLM Nationwide Bond 158626364
Surety - Commental Casualty Company
Belco Energy Corporation merger into Westport Oil and Gas Company, Inc.
Conversion of Westport Oil and Gas Company, Inc., into Westport Oil and Gas Company, L.P.
Assumption Rider - Westport Oil and Gas Company, L.P.

Dear Ms. Maxwell;

Pursuant to our recent conversations, please find the following list of enclosures for the BLM's consideration and approval:

Two (Z) Assumption Riders, fully executed originals.
Copies of Belco Energy Corporation merger into Westport Oil and Gas Company, Inc.
Copies of Westport Oil and Gas Company, Inc., conversion into Westport Oil and Gas
Company, L.P.
List of all Federal/BIA/State Leases - Beloo/Westport's leases - in all states.

Please inform us of any additional information needed to complete the change to Westport Oil and Gas Company, L.P., as operator of record.

I thank you for your assistance and cooperation in this matter. Please do not hesitate contacting the undersigned, should a question arise.

Sincerely.

Westport Oil and Gas Company, L.P.

Black

Debby J. Black Engineer Technician

Engl:



United States Department of the Interior RECEIVED

BUREAU OF LAND MANAGEMENT

FEB 2 2 2002

Utah State Office P.O. Box 45155 Salt Lake City, UT 84145-0155

DIVISION OF OIL, GAS AND MINING

In Reply Refer To: 3106 UTU-25566 et al (UT-924)

FEB 2 1 2002

NOTICE

Westport Oil and Gas Company L.P.

Oil and Gas

410 Seventeenth Street, #2300

•

Denver Colorado 80215-7093

:

Name Change Recognized

Acceptable evidence has been received in this office concerning the name change of Westport Oil and Gas Company, Inc. into Westport Oil and Gas Company, L.P. with Westport Oil and Gas Company, L.P. being the surviving entity.

For our purposes, the name change is recognized effective December 31, 2001.

The oil and gas lease files identified have been noted as to the name change. The exhibit was compiled from a list of leases obtained from our computer program. We have not abstracted the lease files to determine if the entities affected by this name change hold an interest in the leases identified nor have we attempted to identify leases where the entities are the operator on the ground maintaining no vested recorded title or operating rights interests. We will be notifying the Minerals Management Service and all applicable Bureau of Land Management offices of the change by a copy of this notice. If additional documentation for changes of operator are required by our Field Offices, you will be contacted by them.

If you identify additional leases in which the entities maintain an interest, please contact this office and we will appropriately document those files with a copy of this Notice.

Due to the name change, the name of the principal/obligor on the bond is required to be changed from Westport Oil and Gas Company, Inc. to Westport Oil and Gas Company, L.P.. You may accomplish this either by consent of surety rider on the original bond or a rider to the original bond. The bonds are held in Colorado.

UTU-03405 UTU-20895 UTU-25566 UTU-43156 UTU-49518 UTU-49519 UTU-49522 UTU-49523

> Robert Lopez Chief, Branch of Minerals Adjudication

cc: Moab Field Office

Vernal Field Office

MMS, Reference Data Branch, MS3130, PO Box 5860, Denver CO 80217 State of Utah, DOGM, Attn: Jim Thompson (Ste. 1210), Box 145801, SLC UT 84114 Teresa Thompson (UT-922) Joe Incardine (UT-921)

UNITED STATES GOVERNMENT

memoran

Branch of Real Estate Services Uintah & Ouray Agency

. 0

Date:

5 December, 2002

Reply to Attn of:

Supervisory Petroleum Engineer

Subject:

Modification of Utah Division of Oil, Gas and Mining Regulations

To:

Director, Utah Division of Oil, Gas and Mining Division: John Baza

We have been advised of changes occurring with the operation of your database for Change of Operator. You will be modifying your records to reflect Change of Operator once you have received all necessary documentation from the companies involved, and perhaps in advance of our Notice of Concurrence/Approval of Change of Operator where Indian leases are involved.

We have no objection.

With further comment to Rulemaking, I wish to comment concerning the provision of Exhibits for upcoming Hearings. I would like to see the Uintah & Ouray Agency, BIA, and the Ute Indian Tribe, Energy & Mineral Resources Department added to the list of those parties that receive advance Exhibits so as to allow us to have research time prior to Hearing dates. We will be able to provide a more informed recommendation to the Oil, Gas and Mining Board. It would be best if we would receive only those Exhibits that concern Indian lands, specifically on or adjacent to Indian lands. This may be a difficult situation to attain, as it is not always clear where 'on or adjacent' occurs.

I am aware that you have gone to extra effort to correct this matter already, and I fully appreciate it. My request is intended only to allow the addition of Uintah & Ouray Agency and Ute Indian Tribe to the official listing.

We appreciate you concern, and hope that these comments are timely enough for consideration in the revision process. liarles H. Cameron

CC:

Minerals & Mining Section of RES

Ute Energy & Mineral Resources Department: Executive Director

chrono



United States Department of the Interior

BUREAU OF INDIAN AFFAIRS
Washington, D.C. 20240
FEB 1 0 2003

Carroll A. Wilson Principal Landman Westport Oil and Gas Company, L.P. 1368 South 1200 East Vernal, Utah 84078

Dear Mr. Wilson:

This is in response to your request for approval of RLI Insurance Company's Nationwide Oil and Gas Lease Bond No. RLB0005239 executed effective December 17, 2002, (\$150,000 coverage) with Westport Oil and Gas Company, L. P., as principal.

This bond is hereby approved as of the date of this correspondence and will be retained in the Bureau of Indian Affairs' Division of Real Estate Services, 1849 C Street, NW, MS-4512-MIB, Washington, D.C. 20240. All Bureau oil and gas regional offices and the surety are being informed of this action.

In cases where you have existing individual and/or collective bonds on file with one or more of our regional offices, you may now request those offices, directly, to terminate in lieu of coverage under this Nationwide Bond.

Enclosed is a copy of the approved bond for your files. If we may be of further assistance in this matter, please advise.

Sincerely,

Director, Office of Trust Responsibilities

Enclosure ACTING

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

| DIVISION OF OIL, GAS AND MINING | 5. LEASE DESIGNATION AND SERIAL NUMBER: |
|--|---|
| SUNDRY NOTICES AND REPORTS ON WELLS | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME: |
| Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals. | 7. UNIT or CA AGREEMENT NAME: |
| 1. TYPE OF WELL OIL WELL GAS WELL OTHER | 8. WELL NAME and NUMBER: Exhibit "A" |
| 2. NAME OF OPERATOR: El Paso Production Oil & Gas Company | 9. API NUMBER: |
| 3. ADDRESS OF OPERATOR: 9 Greenway Plaza CITY Houston STATE TX 28, 77064-0995 (832) 676-5933 | 10. FIELD AND POOL, OR WILDCAT: |
| 4. LOCATION OF WELL | |
| FOOTAGES AT SURFACE: | COUNTY: |
| QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: | STATE: UTAH |
| 11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT | RT, OR OTHER DATA |
| TYPE OF SUBMISSION TYPE OF ACTION | |
| NOTICE OF INTENT | REPERFORATE CURRENT FORMATION |
| (Submit in Duplicate) ALTER CASING FRACTURE TREAT | SIDETRACK TO REPAIR WELL |
| Approximate date work will start: CASING REPAIR NEW CONSTRUCTION | TEMPORARILY ABANDON |
| CHANGE TO PREVIOUS PLANS OPERATOR CHANGE | TUBING REPAIR |
| CHANGE TUBING PLUG AND ABANDON SUBSEQUENT REPORT CHANGE WELL NAME PLUG BACK | VENT OR FLARE |
| (Submit Original Form Only) | WATER DISPOSAL . |
| Date of work completion: CHANGE WELL STATUS PRODUCTION (START/RESUME) | WATER SHUT-OFF |
| CONVERT WELL TYPE | OTHER: |
| 12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volume | |
| Operator change to Westport Oil and Gas Company, L.P., 1670 Broadway, Suite 28 effective December 17, 2002. BOND # | |
| EL PASO PRODUCTION OIL & GAS COMPANY | FEB 2 8 2003 |
| | DIV. OF OIL. GAS & MINING |
| By: | DIV. OF CALL CARD OF |
| WESTPORT OIL AND GAS COMPANY, L.P. NAME (PLEASE PRINT) David R. Dix TITLE Agent and Attorne | ev-in-Fact |
| The state of the s | |
| SIGNATURE DATE | |
| | |

(This space for State use only)

Title

Tide 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any

Date

Approved by

(Instructions on reverse)

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease

false, fict kious or fraudulent statements or representations as to any matter within its jurisdiction.

which would engile the applicant to conduct operations thereon.

OPERATOR CHANGE WORKSHEET

| ROUTING |
|----------|
| 1. GLH |
| 2. CDW - |
| 3. FILE |

X Change of Operator (Well Sold)

5. If ${\bf NO}$, the operator was contacted contacted on:

Designation of Agent/Operator

Operator Name Change

Merger

| The operator of the well(s) listed below has changed, | effective: | 12-17-02 | | | | |
|---|---------------------|-------------------------|------------|-------------|----------|------------|
| FROM: (Old Operator): | | TO: (New Op | erator): | | | |
| EL PASO PRODUCTION OIL & GAS COMPANY | 1 | WESTPORT C | | COMPANY | LP | |
| Address: 9 GREENWAY PLAZA | 1 | Address: P O B | | • | | |
| | 1 | | | | | |
| HOUSTON, TX 77064-0995 | 1 | VERNAL, UT | 84078 | | | |
| Phone: 1-(832)-676-5933 | 1 | Phone: 1-(435)-781-7023 | | | | |
| Account No. N1845 | | Account No. | | | | |
| CA No. | | Unit: | | | | |
| WELL(S) | · | | | | | |
| | SEC TWN | API NO | ENTITY | LEASE | WELL | WELL |
| NAME | RNG | | NO | TYPE | TYPE | STATUS |
| UTE TRAIL U 1 | 08-09S-22E | 43-047-15377 | | FEDERAL | GW | PA |
| NBU 73 | 17-09S-22E | 43-047-31102 | 99998 | FEDERAL | GW | PA |
| NBU 61 | 21-09S-22E | 43-047-30900 | 99998 | FEDERAL | GW | PA |
| STATE 1-32 | 32-09S-22E | 43-047-34317 | 13419 | STATE | GW | P |
| BITTER CREEK 1 | 34-09S-22E | 43-047-15374 | 99998 | FEDERAL | GW | PA |
| PETES FLAT 1-1 | 01-10S-23E | 43-047-30558 | 1510 | FEDERAL | | S |
| SOUTHMAN CANYON 4-4 (FED) | 04-10S-23E | 43-047-30632 | 10690 | FEDERAL | GW | P |
| BONANZA 4-6 | 04-10S-23E | 43-047-34751 | 99999 | FEDERAL | GW | APD |
| SOUTHMAN CANYON 4-5 | | 43-047-30633 | | FEDERAL | | P |
| SOUTHMAN CANYON 1-5 (UTU-74473) | 05-10S-23E | 43-047-30856 | 10689 | FEDERAL | | P |
| SAGE HEN FEDERAL 1-6 (CR-3) | 06-10S-23E | 43-047-30382 | 1490 | FEDERAL | GW | S |
| FLAT MESA FEDERAL 1-7 | 07-10S-23E | 43-047-30365 | 1505 | FEDERAL | GW | S |
| FLAT MESA FEDERAL 2-7 | 07-10S-23E | 43-047-30545 | 1506 | FEDERAL | GW | P |
| SAGEBRUSH FEDERAL 1-8 | 08-10S-23E | 43-047-30383 | 1467 | FEDERAL | | TA |
| BONANZA 8-2 | 08-10S-23E | 43-047-34087 | 99999 | FEDERAL | | APD |
| BONANZA 8-3 | 08-10S-23E | 43-047-34770 | 99999 | FEDERAL | | APD |
| NO NAME CANYON FEDERAL 1-9 | 09-10S-23E | 43-047-30378 | 1466 | FEDERAL | | P |
| NO NAME CANYON FEDERAL 2-9 | 09-10S-23E | 43-047-31504 | 1468 | FEDERAL | | P |
| SOUTHMAN CANYON 9-3-M | | 43-047-32540 | å | FEDERAL | GW | S |
| SOUTHMAN CANYON 9-4-J | 09-10S-23E | 43-047-32541 | 11685 | FEDERAL | GW | P |
| OPERATOR CHANGES DOCUMENTATION Enter date after each listed item is completed 1. (R649-8-10) Sundry or legal documentation was received | from the FOR | MER operator | on: | 02/28/2003 | | |
| 2. (R649-8-10) Sundry or legal documentation was received3. The new company has been checked through the Departm | | • | 03/04/2003 | • | ase on: | 03/06/2003 |
| 5. The new company has been encoded unough the Departm | | or co, Division C | or Corpora | iions Datab | MUT VIII | 03/00/2003 |
| 4. Is the new operator registered in the State of Utah: | YES | Business Numb | er: 1 | 355743-018 | 1 | |

| 6. (R649-9-2)Waste Management Plan has been received on: | IN PLACE | |
|---|---|---------------------------------------|
| Federal and Indian Lease Wells: The BLM and or operator change for all wells listed on Federal or Indian | or the BIA has approved leases on: BLM-12/31/20 | the merger, name change, BIA-12/5/02 |
| 8. Federal and Indian Units: The BLM or BIA has approved the successor of unit operations. | erator for wells listed on: | 02/27/2003 |
| Federal and Indian Communization Agreem The BLM or BIA has approved the operator for all well- | s listed within a CA on: | 01/09/2003 |
| 10. Underground Injection Control ("UIC") for the enhanced/secondary recovery unit/project for the | | On: N/A N/A |
| DATA ENTRY: 1. Changes entered in the Oil and Gas Database on: | 03/27/2003 | |
| 2. Changes have been entered on the Monthly Operator Cl | hange Spread Sheet on: | 03/27/2003 |
| 3. Bond information entered in RBDMS on: | <u>N/A</u> | |
| 4. Fee wells attached to bond in RBDMS on: | <u>N/A</u> | |
| STATE WELL(S) BOND VERIFICATION: 1. State well(s) covered by Bond Number: | RLB 0005236 | |
| FEDERAL WELL(S) BOND VERIFICATION: | 158626364 | |
| Federal well(s) covered by Bond Number: | 138020304 | |
| INDIAN WELL(S) BOND VERIFICATION: 1. Indian well(s) covered by Bond Number: | RLB 0005239 | |
| FEE WELL(S) BOND VERIFICATION: 1. (R649-3-1) The NEW operator of any fee well(s) listed of | covered by Bond Number | RLB 0005238 |
| 2. The FORMER operator has requested a release of liability. The Division sent response by letter on: | ty from their bond on: N/A | N/A |
| LEASE INTEREST OWNER NOTIFICATION 3. (R649-2-10) The FORMER operator of the fee wells has of their responsibility to notify all interest owners of this | been contacted and informe | d by a letter from the Division |
| COMMENTS: | | |
| | | |
| | | |
| | | |

٠,

Form 3 160-5 (August 1999)

UN_ED STATES DEPARTMENT OF THE INTERIOR

BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or reenter an

FORM APPROVED OMB No. 1004-0135 Expires Inovember 30, 2000

5. Lease Serial No.

| 11 | JI TIPI | E WEL | IS- | SFF | ATT | ACHE |
|----|----------|-------|-----|-----|--------|------|
| 1 | <i>-</i> | ** | | | \sim | |

| | MUL | ΓIPLE | WELLS- | SEE | ATT |
|---|------|--------|------------|---------|------|
| ľ | 6 If | Indian | Allottee o | r Tribe | Name |

| abandoned well. | Use Form 3160-3 (APD) 1 | for such proposals | s. | | |
|---|--|---|---|---|--|
| SUBMIT IN TRIPL | ICATE – Other instruct | tions on reverse | e side | • | CA/Agreement, Name and/or No. |
| 1. Type of Well | | | | 0 117 11 17 | |
| Oil Well X Gas Well | U Other | | | 8. Well Name | |
| 2. Name of Operator | | | i | 9. API Well N | VELLS- SEE ATTACHED |
| WESTPORT OIL & GAS CO | | Bb. Phone No. (includ | le greg code) | | VELLS- SEE ATTACHED |
| 1368 SOUTH 1200 EAST, V | i | • | e ureu coue) | | ool, or Exploratory Area |
| | T., R., M., or Survey Description | | | | SOUTHMAN CANYON |
| MULTIPLE WELLS- SEE AT | • • • | , | | 11. County or F | |
| MOETIFEE WEEES- SEE AT | TAGILD | | | County of I | arish, batto |
| | | | | UINTAH CO | DUNTY, UTAH |
| 12. CHECK APP | ROPRIATE BOX(ES) TO IN | DICATE NATURE | OF NOTICE, R | EPORT, OR O | THER DATA |
| TYPE OF SUBMISSION | | TYP | E OF ACTION | | |
| Notice of Intent Subsequent Report | Acidize Alter Casing | Deepen Fracture Treat New Construction | Production Reclamation | | Water Shut-Off Well Integrity Other VARIANCE |
| Subsequent Report | Casing Repair Change Plans | Plug and Abandon | Temporarily | | Other VARIANCE |
| Final Abandonment Notice | Convert to Injection | Plug Back | Water Dispo | | |
| If the proposal is to deepen directional Attach the Bond under which the work following completion of the involved testing has been completed. Final Aldetermined that the site is ready for fin | rk will be performed or provide the operations. If the operation results bandonment Notices shall be filed or | Bond No. on file with E in a multiple completion | BLM/BIA. Require or recompletion in | ed subsequent rep n a new interval, a | orts shall be filed within 30 days Form 3160-4 shall be filed once |
| Westport Oil & Gas requests a varia | ance to Onshore Order No. 4, F | Part III C. a. requiring | each sales tank | be equipped w | vith a pressure-vacuum thief |
| hatch and/or vent line valve. The valve. | ariance is requested as an eco | onomic analysis shows | s the value of the | e shrunk conde | nsate will not payout the |
| incremental cost of purchasing and | maintaining the valve resulting | g in a loss of value ove | er the producing | life of the well. | |
| The volume lost to shrinkage by dro lab analysis of a representative sam dropped. The average well produce lost volume due to shrinkage. The valves and other devices that hold to requests approval of this variance in | nple from the field. The sample es approximately 6 bbls conder value of the shrunk and lost co the positive tank pressure. An | e shrunk from 98.82% nsate per month. The ondensate does not re economic run based | of original volume resulting shrink coup or payout on the loss and | me to 98.52% vage would amount the cost of instances costs is attache | when the pressure was bunt to 0.56 bbls per month alling and maintaining the ed. Westport Oil & Gas |
| 14. I hereby certify that the foregoing | s is true and correct | 1 | | | |
| Name (Printed/Typed) DEBRA D | OMENICI | Title | ENVIRONM | ENITAL ACC | ICTANT |
| Signature | - 1 | Date | | | IOTAINT |
| Della Do | Messes | FOR FEDERAL OR S | | ly 9, 2004 | |
| Approved by | INIS SPACE P | Title | IAIE USE | I Data | |
| Approved by | | | ed by the | Date | |
| Conditions of approval, if any, are attached certify that the applicant holds legal or equivalent which would entitle the applicant to conduct | Approval of this notice does not wantable title to those rights in the subject operations thereon. | | | Fed | eral Approval Of This |

(Instructions on reverse)

COPY SEAL TO Date: Initiois

Title 18 U.S.C. Section 1001, make it a crime for any person know person with false, fictitious or fraudulent statements or representations as to any matter within

an department or agency of the United States any

ALL WELLS ROCKY MOUNTAIN GAS- BONANZA/SOUTHMAN CANYON ENARDO VARIANCE

| | | L | EGAL | S | | | |
|---------------------------|---------------|-------|-------|---------|--------------|-----------|-----------------|
| WELL | SEC | TWN | RGE | QTR/QTR | STF LEASE NO | CA NUMBER | API NO |
| BONANZA 04-06 | 4 | 108 | 23E | NESW | U-33433 | UTU33433 | 430473475100S1 |
| BONANZA 06-02 | 6 | 10S | 23E | NESW | UTU38419 | UTU38419 | 430473484300S1 |
| BONANZA 08-02 | 8 | 10S | 23E | SESE | UTU37355 | UTU37355 | 430473408700S1 |
| BONANZA 08-03 | 8 | 10\$ | 23E | NWNW | U-37355 | UTU37355 | 430473477000S1 |
| BONANZA 09-05 | 9 | 108 | 23E | SESW | U-37355 | UTU37355 | 430473486600S1 |
| BONANZA 09-06 | 9 | 10S | 23E | NWNE | U-37355 | UTU37355 | 430473477100S1 |
| BONANZA 10-02 | 10 | 10S | 23E | NWNW | U72028 | UTU80201 | 430473470400S1 |
| BONANZA 10-03 | 10 | 108 | 23E | NWNE | UTU38261 | CR-5 | 430473472800S1 |
| BONANZA 10-04 | 10 | 10S | 23E | SENE | UTU40736 | CR-5 | 430473477200S1 |
| BONANZA 1023-4E | 4 | 10S | 23E | SWNW | U-33433 | | 43047353920S1 |
| BONANZA 1023-6C | 6 | 10S | 23E | NENW | U-38419 | UTU38419 | 430473515300S1 |
| BONANZA 1023-7B | 7 | 10S | 23E | NWNE | U-38420 | UTU38420 | 430473517200S1 |
| BONANZA 1023-7L | 7 | 108 | 23E | NWSW | U-38420 | | 430473528900S1 |
| BONANZA 11-02 | 11 | 10S | | SWNW | UTU38425 | CR-23 | 430473477300S1 |
| BONANZA FEDERAL 03-15 | 15 | 108 | 23E | NENW | UTU38428 | UTU38428 | 430473127800S1 |
| CANYON VIEW FEDERAL 1-18 | 18 | 10S | 23E | SENW | UTU38421 | UTU38421 | 430473037900S1 |
| CROOKED CYN FED 1-17 | 17 | 10S | | NESW | UTU37355 | UTU37355 | 430473036900S1 |
| FLAT MESA FEDERAL 1-7 | 7 | 10S | 23E | NWSE | UTU38420 | UTU38420 | 430473036500S1 |
| FLAT MESA FEDERAL 2-7 | 7 | | | SENW | UTU38420 | UTU38420 | 430473054500S1 |
| JACK RABBIT 1-11 | 11 | 10S | 23E | SWNE | UTU38425 | CR-23 | 430473042300S1 |
| LOOKOUT POINT STATE 1-16 | 16 | 10S | 23E | | ML22186A | 31120 | 430473054400S1 |
| NO NAME CANYON 1-9 | 9 | 10S | 23E | SENE | UTU037355 | UTU37355 | 430473037800S1 |
| NO NAME CANYON 2-9 | 9 | 108 | 23E | NENW | UTU037355 | UTU37355 | 430473150400S1 |
| NSO FEDERAL 1-12 | 12 | 108 | 23E | NENW | UTU38423 | CR-22 | 430473056000\$1 |
| PETE'S FLAT 1-1 | 1 | 10S | 23E | NESE | UTU40736 | | 430473055800\$1 |
| SAGE HEN FEDERAL 1-6 | 6 | 10S | 23E | NESE | UTU38419 | CR-3 | 430473038200\$1 |
| SAGEBRUSH FEDERAL 1-8 | 8 | 10S | 23E | SWNE | UTU37355 | UTU37355 | 430473038300S1 |
| SHEEPHERDER FEDERAL 1-10 | 10 | 108 | 23E | | UTU38424 | | 430473055900S1 |
| SOUTHMAN CANYON 01-05 FED | 5 | 108 | 23E | SENW | UTU33433 | UTU74473 | 430473085600S1 |
| SOUTHMAN CANYON 04-04 | 4 | 10S | 23E | NWSE | | | 430473063200S1 |
| SOUTHMAN CANYON 04-05 | 5 | 108 | 23E | NESE | UTU33433 | | 430473063300S1 |
| SOUTHMAN CANYON 09-03M | 9 | 10S | 23E | | UTU37355 | | 430473254000S1 |
| SOUTHMAN CANYON 09-04J | 9 | | 23E I | | | | 430473254100S1 |
| SOUTHMAN CANYON 31-01-L | | | | | UTU33433 | | 430473254300S1 |
| SOUTHMAN CANYON 31-02X | | | | | UTU33433 | | 430473489800S1 |
| SOUTHMAN CANYON 31-03 | \rightarrow | | | | | | 430473472600S1 |
| SOUTHMAN CANYON 31-04 | | | | | UTU33433 | | 430473472700S1 |
| SOUTHMAN CANYON 923-31B | 31 | | | | | | 430473515000S1 |
| SOUTHMAN CANYON 923-31J | | | | | | | 430473514900S1 |
| SOUTHMAN CANYON 923-31P | | | | | J-33433 | | 430473574300S1 |
| SOUTHMAN CANYON SWD #3 | | | | | JTU-38427 | | 430471588000S1 |
| WHITE RIVER 1-14 | 14 | 108 2 | | | | | 430473048100S1 |

| uction | | s Workst | d organi will had- | مداد فدسامون مطاور امور | a The evolution | \smile | |
|---------------------|------------------------------|-----------------------------------|---|---|--|--|----------------|
| vc110N1 | bi. | are shown b | elow and graphed a | utomatically at the bot | a. The evaluation result. tom of the page. This she | | |
| | | | | al atteration of the form or as unit OPX costs for | ulas. See JTC for change : \$/BF and \$/MCF | 5. | |
| ect Nar | me: | Condensate | Shrinkage Economic | :8 | | | |
| is | this job a we | il pull or produ | | N (Y or N) | | | |
| | | | BEFORE \$/Year | AFTER \$/Year | DIFFERENCE \$/Year | | |
| | Gross Oil Re Gross Gas R | | \$1,088 \$0 | \$1,099 \$0 | \$11 \$0 | | |
| | NGL Revenu | | \$0 | \$0 | \$0 | | |
| | PULING UNI WIRELINE SE | | | | \$0 \$0 | | |
| | SUBSURF EQ | | | | \$0 | | |
| | CONTRACT | LABOR | \$0 | \$200 | \$0 \$200 | | |
| | CONTR SERV | | \$0 | \$0 | \$0 \$0 | | |
| | UTILITIES - ELI | CTRICITY | \$0 | \$0 | \$0 | | |
| | CHEMICAL T | | 50 | \$150 | \$0 \$150 | | |
| | WATER & HA | ULING | | V.00 | \$0 | | |
| | GAS PLANT | PROCESSING | | | \$0 \$0 | | |
| | | Totals | \$0 | \$350 | \$350 | ncreased OPX P | er Year |
| | invesiment | | | ON 61 | AA AA] e /- o | | |
| | | Code Cap/Exp | Cost, \$ | Oli Price \$ Gas Price \$ | 23.00 \$/80 3.10 \$/MCF | | |
| | Capital \$ Expense \$ | 820/830/840 830/840 | \$1,200 | Electric Cost \$ OPX/BF \$ | - \$ / HP / day 2.00 \$/BF | | |
| | Total \$ | 300/000 | \$1,200 | OPX/MCF \$ | 0.62 \$/MCF | | |
| | Production | & OPX Deta | ıli: | | | | |
| | Oil Productio | 'n | Before 0.192 BOPD | After 0.194 BOF | Difference 0.002 BO | PD. | |
| | Gas Product | ion | 0 MCFP | 0 MC | FPD 0 MC | | |
| | Wtr Production | | 0 BWPD | 0 BWF | 0 BW | PD | |
| | Fuel Gas Burn | ned | МСГР | | | FPD . | |
| ľ | Project Life: | | | i P.m. | rout Calculation: | | |
| | riojeci ise. | Llie • | | | | | |
| | | • | o longer than 20 year | i) Pary | | investment cremental Revenu | = 1 |
| , | internal Rate After Tax | | #DIV/01 | Pay | out occurs when total A | T cashflow eacas | investment |
| | AT Cum Cas | | | | graph below, note year | | |
| | Operating C | | (\$2,917) (Disc | ounted @ 10%) Pay | out = NEVER | rears or #VAL | UEI Days |
| I | Gross Reserv | os: | | | | | |
| | Oil Reserves Gas Reserves | | 6 BO 0 MCF | | | | |
| | Gas Equiv Re | | 38 MCFE | | | | |
| | nptions: | | | | | | |
| | An average of are placed of | YBU well produ n the tank. The | ces 0.192 Band with n increased production | o tank pressure. The pro n does not payout the v | oduction is increased to alve cost or the estimate | 0.196 Bcpd If 6 ozs ed annual mainten | of pressure |
| L | | | Project Cond | ensate Shrinkage Econ | omice | | |
| | èn i | | Trojecti Cond | Orbidio Orbidio Grando | , , | | |
| | \$0 | | | | | | |
| | (\$500) | | † | | | | |
| | (\$1,000) | | ļļļļļ | | | | |
| Š | (\$1,500) | | | | | | |
| Cashiflow | (41/200) 4 | | | | | | |
| tive Cashflow | f | | | | | | |
| nulative Cashflow | (\$2,000) | | | | | | |
| Cumulative Cashflow | (\$2,000) | | | | <u> </u> | | |
| AT Cumulative | (\$2,500) | | | | | | |
| 1 | | | | | | | |

Westport Oil and Gas, Inc. NBU/Ouray Field

RFL 2003-022

COMPARISON OF FLASH BACK PRESSURES

Calculated by Characterized Equation-of-State

| 1 | ash | Gas/Oil | Specific | Separator | Separator |
|------------|---------------------------------------|------------------|-----------------|-----------|-----------|
| Cond | ditions | Ratio | Gravity of | Volume | Volume |
| | · · · · · · · · · · · · · · · · · · · | (scf/STbbl) | Flashed Gas | Factor | Percent |
| psig | °F | (A) | (Air=1.000) | (B) | (C) |
| Calculated | i at Labora | tory Flash Condi | itions | | |
| 80 | 70 | | | 1.019 | |
| 0 | 122 | 30.4 | 0.993 | 1.033 | 101.37% |
| 0 | 60 | 0.0 | _ | 1.000 | 98.14% |
| Calculated | i Flash witi | Backpressure i | using Tuned EOS | } | |
| 80 | 70 | | | 1.015 | |
| 6.0 oz | 65 | 24.6 | 0.777 | 1.003 | 98.82% |
| 0 | 60 | 0.0 | - | 1.000 | 98.52% |
| 80 | 70 | | | 1.015 | |
| 4.0 oz | 65 | 24.7 | 0.778 | 1.003 | 98.82% |
| 0 | 60 | 0.0 | _ | 1.000 | 98.52% |
| 80 | 70 | | | 1.015 | |
| 2.0 oz | 65 | 24.7 | 0.779 | 1.003 | 98.82% |
| 0 | 60 | 0.0 | | 1.000 | 98.52% |
| 80 | 70 | | | 1.015 | |
| 0 | 65 | 24.8 | 0.780 | 1.003 | 98.82% |
| 0 | 60 | 0.0 | | 1.000 | 98.52% |

⁽A) Cubic Feet of gas at 14.696 psia and 60 °F per Barrel of Stock Tank Oil at 60 °F.

⁽B) Barrels of oil at indicated pressure and temperature per Barrel of Stock Tank Oil at 60 °F.

⁽C) Oil volume at indicated pressure and temperature as a percentage of original saturated oil volume. Note: Bubblepoint of sample in original sample container was 80 psig at 70° F with 1 cc water

Form 3160-5 (August 1999)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED OMB No. 1004-0135 Expires Inovember 30, 2000

5. Lease Serial No.

SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill or reenter an

MULTIPLE WELLS- SEE ATTACHED

6. If Indian, Allottee or Tribe Name

Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.

7. If Unit or CA/Agreement, Name and/or No.

| SUBMIT IN TRIPLICATE – Other instru | MULTIPLE WELLS- SEE ATTACHED | |
|--|-----------------------------------|--|
| 1. Type of Well Oil Well Gas Well Other | | |
| 2. Name of Operator | | 8. Well Name and No. MULTIPLE WELLS- SEE ATTACHED |
| WESTPORT OIL & GAS COMPANY, L.P. | | 9. API Well No. |
| | 3b. Phone No. (include area code) | MULTIPLE WELLS- SEE ATTACHED |
| 1368 SOUTH 1200 EAST, VERNAL, UTAH 84078 | | 10. Field and Pool, or Exploratory Area |
| 4. Location of Well (Footage, Sec., T., R., M., or Survey Descriptio | n) | MULTIPLE WELLS- SEE ATTACHED |
| MULTIPLE WELLS- SEE ATTACHED | | 11. County or Parish, State |
| | | UINTAH COUNTY, UTAH |

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| TYPE OF SUBMISSION | TYPE OF ACTION |
|--------------------------|---|
| Notice of Intent | Acidize Deepen Production (Start/Resume) Water Shut-Off |
| Subsequent Report | Alter Casing Fracture Treat Reclamation Well Integrity Casing Repair New Construction Recomplete Other |
| Final Abandonment Notice | Change Plans Plug and Abandon Temporarily Abandon Convert to Injection Plug Back Water Disposal |

WESTPORT OIL & GAS COMPANY RESCINDS ANY PREVIOUSLY APPROVED DISPOSAL SITES AND PROPOSES THAT ANY PRODUCED WATER FROM THE ATTACHED LIST OF WELLS WILL BE CONTAINED IN A WATER TANK AND WILL THEN BE HAULED BY TRUCK TO ONE OF THE FOLLOWING PRE-APPROVED DISPOSAL SITES: DALBO, INC.; RNI, SEC. 5-T9S-R22E; ACE OILFIELD, SEC. 2-T6S-R20E; SOUTHMAN CANYON #3 SWD, SEC. 15-T10S-R23E, API NO. 430471588000000S1; AND DIRTY DEVIL FEDERAL 14-10 SWD, SWC. 10-T9S-R24E, API NO. 430473056600S1.

Accepted by the Utah Division of Oil, Gas and Mining

| | FOR DECORP | | | |
|---|---|----|--|--|
| 14. I hereby certify that the foregoing is true and correct Name (Printed/Typed) Title | I ON HECORD ONLY | | | |
| DEBRA DOMENICI | ENVIRONMENTAL ASSISTANT | | | |
| Signature Date Date | Date July 12, 2004 | | | |
| THIS SPACE FOR FE | EDERAL OR STATE USE | | | |
| Approved by | Title Date | | | |
| Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon. | | | | |
| Title 18 U.S.C. Section 1001, make it a crime for any person knowingly ar false, fictitious or fraudulent statements or representations as to any matter w | ind willfully to make to any department of a compartment | ıy | | |

(Instructions on reverse)

JUL 1 4 2004

^{13.} Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

| | LEGALS | | | | | | |
|-------------------------|--------|-----|-----|---------|--------------|-----------|----------------|
| WELL | SEC | TWN | RGE | QTR/QTR | STF LEASE NO | CA NUMBER | API NO |
| SOUTHMAN CANYON 04-04 | 4 | 108 | 23E | NWSE | UTU33433 | UTU33433 | 430473063200S1 |
| SOUTHMAN CANYON 04-05 | 5 | 108 | 23E | NESE | UTU33433 | UTU33433 | 430473063300S1 |
| SOUTHMAN CANYON 09-03M | 9 | 108 | 23E | SWSW | UTU37355 | UTU37355 | 430473254000S1 |
| SOUTHMAN CANYON 09-04J | 9 | 108 | 23E | NWSE | UTU37355 | UTU37355 | 430473254100S1 |
| SOUTHMAN CANYON 31-01-L | 31 | 098 | 23E | NWSW | UTU33433 | UTU74898 | 430473254300S1 |
| SOUTHMAN CANYON 31-02X | 31 | 098 | 23E | NWNW | UTU33433 | UTU33433 | 430473489800S1 |
| SOUTHMAN CANYON 31-03 | 31 | 098 | 23E | SENW | UTU33433 | UTU33433 | 430473472600S1 |
| SOUTHMAN CANYON 31-04 | 31 | 09S | 23E | SESW | UTU33433 | | 430473472700S1 |
| SOUTHMAN CANYON 923-31B | 31 | 09S | 23E | NWNE | U-33433 | UTU33433 | 430473515000S1 |
| SOUTHMAN CANYON 923-31J | 31 | 098 | 23E | NWSE | U-33433 | UTU33433 | 430473514900S1 |
| SOUTHMAN CANYON 923-31P | 31 | 098 | 23E | SESE | U-33433 | | 430473528800S1 |
| SOUTHMAN CANYON SWD #3 | 15 | 108 | 23E | NESE | UTU-38427 | | 430471588000S1 |
| WHITE RIVER 1-14 | 14 | 108 | 23E | NENW | UTU38427 | UTU38427 | 430473048100S1 |

| | | LEGALS | | | | | |
|--|--------------|--------|------------|--------------|--------------------------|--------------------------|----------------------------------|
| WELL | SEC | TWN | PG | QTR/QTF | R STF LEASE NO | CANUADED | ADUNA |
| BONANZA 04-06 | 4 | 108 | 23E | NESW | U-33433 | CA NUMBER UTU33433 | |
| BONANZA 06-02 | 6 | 108 | 23E | NESW | UTU38419 | UTU38419 | 430473475100S1 430473484300S1 |
| BONANZA 08-02 | 8 | 108 | 23E | SESE | UTU37355 | UTU37355 | |
| BONANZA 08-03 | 8 | 108 | 23E | NWNW | U-37355 | UTU37355 | 430473408700S1 430473477000S1 |
| BONANZA 09-05 | 9 | 108 | 23E | SESW | U-37355 | UTU37355 | 430473477000S1 |
| BONANZA 09-06 | 9 | 10S | 23E | NWNE | U-37355 | UTU37355 | 430473477100S1 |
| BONANZA 10-02 | 10 | 108 | 23E | NWNW | U72028 | UTU80201 | 430473470400S1 |
| BONANZA 10-03 | 10 | 108 | 23E | NWNE | UTU38261 | CR-5 | 430473472800\$1 |
| BONANZA 10-04 | 10 | 108 | 23E | SENE | UTU40736 | CR-5 | 430473477200\$1 |
| BONANZA 1023-2A | 2 | 108 | 23E | NENE | ML47062 | | 430473534700S1 |
| BONANZA 1023-2C | 2 | 108 | 23E | NENW | ML47062 | | 430473534600S1 |
| BONANZA 1023-2E | 2 | 108 | 23E | SWNW | ML47062 | | 430473534500\$1 |
| BONANZA 1023-4E | 4 | 108 | 23E | SWNW | U-33433 | | 43047353920\$1 |
| BONANZA 1023-6C | 6 | 108 | 23E | NENW | U-38419 | UTU38419 | 430473515300S1 |
| BONANZA 1023-7B | 7 | 108 | 23E | NWNE | U-38420 | UTU38420 | 430473517200S1 |
| BONANZA 1023-7L BONANZA 11-02 | 7 | 108 | 23E | NWSW | U-38420 | | 430473528900S1 |
| BONANZA FEDERAL 03-15 | 11 | 108 | 23E | SWNW | UTU38425 | CR-23 | 430473477300S1 |
| CANYON VIEW FEDERAL 1-18 | 15 | 108 | 23E | NENW | UTU38428 | UTU38428 | 430473127800S1 |
| CIGE 008 | 18 | 108 | 23E | SENW | UTU38421 | UTU38421 | 430473037900S1 |
| CIGE 008 | 35 36 | 098 | 22E | SWSE | UTU010954A | 891008900A | 430473042700S1 |
| CIGE 010 | | | 22E | NWSE | ML22650 | 891008900A | 430473041900S1 |
| CIGE 031 | 1 | | 22E | NWSE | ML22651 | 891008900A | 430473042500S1 |
| CIGE 062D | | | 22E 22E | SWNW NWSW | U011336 | 891008900A | 430473051100S1 |
| CIGE 067A | | | | NENE | ML22650 | 891008900A | 430473088500S1 |
| CIGE 068D | | | | NWSW | ML22651 | 891008900A | 430473093800S1 |
| CIGE 089D | | | | SENE | UTU010954A UTU0149077 | 891008900A | 430473095100S1 |
| CIGE 105D | | | | NENW | U011336 | 891008900A | 430473114600S1 |
| CIGE 118 | | | | NESE | UTU010954A | 891008900A 891008900A | 430473175800S1 |
| CIGE 144 | | | | SWNE | ML22651 | 891008900A | 430473202500S1 |
| CIGE 147 | | | | | ML22650 | 891008900A | 430473202200S1 430473202000S1 |
| CIGE 153 | | | | SESW | UTU010954A | 891008900A | 430473202000S1 430473206700S1 |
| CIGE 161 | | | | | ML22651 | 891008900A | 430473206700S1 |
| CIGE 162 | 36 | | | | ML22650 | | 430473216400S1 |
| DIGE 186 | 35 | 098 | 22E | | UTU010954A | 891008900A | 430473259000S1 |
| DIGE 193 | 35 | 098 2 | 22E | | UTU010954A | 891008900A | 430473297300S1 |
| DIGE 194 | 1 | 10S 2 | 22E | | U011336 | | 430473293200S1 |
| IGE 195 | | 10S 2 | 22E | NWNE | ML22651 | | 430473279700S1 |
| CIGE 212 | | | 22E | NENE | UTU0149077 | | 430473293800S1 |
| CIGE 221 | 36 | D9S 2 | 22E | swsw | ML22650 | | 430473286800S1 |
| CIGE 222 | | | | | ML22650 | | 430473286900S1 |
| CIGE 223 | | | | | U011336 | | 430473298300S1 |
| CLIFF EDGE 1-15 | | | | | | UTU38427 | 430473046200S1 |
| ROOKED CYN FED 1-17 | | | | | | | 430473036900S1 |
| LAT MESA FEDERAL 1-7 LAT MESA FEDERAL 2-7 | | | | | | | 430473036500S1 |
| ACK RABBIT 1-11 | | | | | | | 430473054500S1 |
| OOKOUT POINT STATE 1-16 | | | | | | | 430473042300S1 |
| BU 024N2 | | | | | ML22186A | | 430473054400S1 |
| BU 038N2 | | | | | | | 430473053500S1 |
| BU 1022-1G | | | | | | | 430473053600S1 |
| BU 922-35K | | | | | | | 430473517500S1 |
| BU 922-361 | | | | | | 891008900A | 430473512600S1 |
| O NAME CANYON 1-9 | | | | | | | 430473510700S1 |
| O NAME CANYON 2-9 | | | | | | | 430473037800S1 |
| SO FEDERAL 1-12 | | | | | | | 130473150400S1 |
| ETE'S FLAT 1-1 | | | | | JTU38423 JTU40736 | | 130473056000S1 |
| AGE HEN FEDERAL 1-6 | | | | | | | 130473055800S1 |
| AGEBRUSH FEDERAL 1-8 | | | | | | | 130473038200S1 |
| HEEPHERDER FEDERAL 1-10 | | | | | | | 130473038300S1 |
| OUTHMAN CANYON 01-05 FED | | | | | | | 130473055900S1 |
| | | 2 | <u> </u> | | , | 1014413 [4 | 30473085600S1 |

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Form 3 160-5 (August 1999)

UNICO STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED OMB No. 1004-0135 Expires Jnovember 30, 2000

Lease Serial No.

SUNDRY NOTICES AND REPORTS ON WELLS

MULTIPLE WELLS- SEE ATTACHED

| | s form for proposals to Use Form 3160-3 (APD | · | | 6. If Indian, Allottee or Tribe Name |
|---|--|--|--|--|
| SUBMIT IN TRIPL | 7. If Unit or CA/Agreement, Name and/or No. MULTIPLE WELLS- SEE ATTACHED | | | |
| 1. Type of Well | _ | | | |
| Oil Well X Gas Well | Other Other | | | 8. Well Name and No. |
| 2. Name of Operator | | | | MULTIPLE WELLS- SEE ATTACHED |
| WESTPORT OIL & GAS CO | OMPANY, L.P. | | | 9. API Well No. |
| 3a. Address | | 3b. Phone No. (inclu | de area code) | MULTIPLE WELLS- SEE ATTACHED |
| 1368 SOUTH 1200 EAST, V | | | | 10. Field and Pool, or Exploratory Area |
| 4. Location of Well (Footage, Sec., | • | on) | | MULTIPLE WELLS- SEE ATTACHED |
| MULTIPLE WELLS- SEE AT | ITACHED | | | 11. County or Parish, State |
| | | | | UINTAH COUNTY, UTAH |
| 12. CHECK APP | ROPRIATE BOX(ES) TO I | NDICATE NATURE | OF NOTICE, R | EPORT, OR OTHER DATA |
| TYPE OF SUBMISSION | | TY | PE OF ACTION | 1 |
| Notice of Intent Subsequent Report Final Abandonment Notice | Acidize Alter Casing Casing Repair Change Plans Convert to Injection | Deepen Fracture Treat New Construction Plug and Abandon Plug Back | Reclamation Recomplet | e Other |
| If the proposal is to deepen directions Attach the Bond under which the wo following completion of the involved | ally or recomplete horizontally, gi rk will be performed or provide to operations. If the operation resul- bandonment Notices shall be file | ve subsurface locations and the Bond No. on file with its in a multiple completion | I measured and tru BLM/BIA. Requir n or recompletion in | ny proposed work and approximate duration thereof e vertical depths of all pertinent markers and zones. red subsequent reports shall be filed within 30 days in a new interval, a Form 3160-4 shall be filed once imation, have been completed, and the operator has |
| water from the attached list of to one of the following pre-apter Ace Oilfield Disposal, Sec. 2 CIGE 9 SWD, Sec. 36-T9S-IT The disposal/emergency pits locations that have disposal/2008. | of wells on Exhibit A will oproved disposal sites: -T6S-R20E; Southman R22E; and Dirty Devil F is for the locations listed emergency pits which a | I be contained in a Dalbo, Inc. Dispos Canyon #3 SWD, ederal 14-10 SWD on Exhibit B will b | water tank a sal Pit; RNI D Sec. 15-T10 , Sec. 10-T9 e reclaimed v | proposes that any produced nd will then be hauled by truck Disposal Pit, Sec. 5-T9S-R22E; S-R23E, API No. 43047158800000S1 S-R24E, API No. 430473056600S1. Within the 2004 year. The rest of the their pits reclaimed by September RECEIVED JUL 27 2004 |
| 14. I hereby certify that the foregoing Name (Printed/Typed) | g is true and correct | . Title | | UIV. OF OIL GAS |

ias & mi<u>ning</u> **ENVIRONMENTAL ASSISTANT DEBRA DOMENICI** Signature Date July 22, 2004 THIS SPACE FOR FEDERAL OR STATE USE Approved by Title Date Conditions of approval, if any, are attached Approval of this notice does not warrant or Office certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Utah Division of Oil, Gas and Mining FOR RECORD ONLY

EXHIBIT A

| | LEGALS | | | | | | |
|-------------------------|--------|-----|-----|---------|--------------|-----------|-----------------|
| WELL | SEC | TWN | RGE | QTR/QTR | STF LEASE NO | CA NUMBER | API NO |
| SOUTHMAN CANYON 04-04 | 4 | 108 | 23E | NWSE | UTU33433 | UTU33433 | 430473063200S1 |
| SOUTHMAN CANYON 04-05 | 5 | 10S | 23E | NESE | UTU33433 | UTU33433 | 430473063300\$1 |
| SOUTHMAN CANYON 09-03M | 9 | 10S | 23E | swsw | UTU37355 | UTU37355 | 430473254000S1 |
| SOUTHMAN CANYON 09-04J | 9 | 108 | 23E | NWSE | UTU37355 | UTU37355 | 430473254100S1 |
| SOUTHMAN CANYON 31-01-L | 31 | 09S | 23E | NWSW | UTU33433 | UTU74898 | 430473254300S1 |
| SOUTHMAN CANYON 31-02X | 31 | 098 | 23E | NWNW | UTU33433 | UTU33433 | 430473489800S1 |
| SOUTHMAN CANYON 31-03 | 31 | 098 | 23E | SENW | UTU33433 | UTU33433 | 430473472600S1 |
| SOUTHMAN CANYON 31-04 | 31 | 098 | 23E | SESW | UTU33433 | | 430473472700S1 |
| SOUTHMAN CANYON 923-31B | 31 | 098 | 23E | NWNE | U-33433 | UTU33433 | 430473515000S1 |
| SOUTHMAN CANYON 923-31J | 31 | 098 | 23E | NWSE | U-33433 | UTU33433 | 430473514900S1 |
| SOUTHMAN CANYON 923-31P | 31 | 098 | 23E | SESE | U-33433 | | 430473528800S1 |
| SOUTHMAN CANYON SWD #3 | 15 | 108 | 23E | NESE | UTU-38427 | | 430471588000S1 |
| WHITE RIVER 1-14 | 14 | 108 | 23E | NENW | UTU38427 | UTU38427 | 430473048100S1 |

EXHIBIT C
PITS TO BE RECLAIMED BY SEPTEMBER, 2008

| | LEGALS | | | | | | |
|-----------|--------|-----|-----|---------|--------------|------------|----------------|
| WELL | SEC | TWN | RGE | QTR/QTR | STF LEASE NO | CA NUMBER | API NO |
| CIGE 008 | 35 | 09S | 22E | SWSE | UTU010954A | 891008900A | 430473042700S1 |
| CIGE 009 | 36 | 09S | 22E | NWSE | ML22650 | 891008900A | 430473041900S1 |
| CIGE 010 | 2 | 10S | 22E | NWSE | ML22651 | 891008900A | 430473042500S1 |
| CIGE 031 | 1 | 10S | 22E | SWNW | U011336 | 891008900A | 430473051100S1 |
| CIGE 062D | 36 | 09S | 22E | NWSW | ML22650 | 891008900A | 430473088500S1 |
| CIGE 067A | 2 | 108 | 22E | NENE | ML22651 | 891008900A | 430473093800S1 |
| CIGE 068D | 35 | 098 | 22E | NWSW | UTU010954A | 891008900A | 430473095100S1 |
| CIGE 089D | 34 | 098 | 22E | SENE | UTU0149077 | 891008900A | 430473114600S1 |
| CIGE 105D | 1 | 108 | 22E | NENW | U011336 | 891008900A | 430473175800S1 |
| CIGE 118 | 35 | 098 | 22E | NESE | UTU010954A | 891008900A | 430473202500S1 |
| CIGE 144 | 2 | 10S | 22E | SWNE | ML22651 | 891008900A | 430473202200S1 |
| CIGE 153 | 35 | 09S | 22E | SESW | UTU010954A | 891008900A | 430473206700S1 |
| CIGE 161 | 2 | 10S | 22E | SESE | ML22651 | 891008900A | 430473216800S1 |
| CIGE 162 | 36 | 09S | 22E | SESE | ML22650 | 891008900A | 430473216400S1 |
| NBU 024N2 | 12 | 10S | 22E | SESE | U01197A | 891008900A | 430473053500S1 |
| NBU 038N2 | 13 | 10S | 22E | NWSW | U06512 | 891008900A | 430473053600S1 |

| | | L | EGAL | S | | | |
|--------------------------------|--------------|--------|------|---------|--------------------------|--------------------------|----------------------------------|
| WELL | SEC | TIA/AI | DCE | QTR/QTR | STF LEASE NO | CA NUMBER | API NO |
| | 4 | 108 | 23E | NESW | U-33433 | UTU33433 | 430473475100S1 |
| BONANZA 04-06 BONANZA 06-02 | 6 | 10S | 23E | NESW | UTU38419 | UTU38419 | 430473484300S1 |
| BONANZA 08-02 | 8 | 105 | 23E | SESE | UTU37355 | UTU37355 | 430473408700S1 |
| BONANZA 08-03 | 8 | 108 | 23E | NWNW | U-37355 | UTU37355 | 430473477000S1 |
| BONANZA 09-05 | 9 | 108 | 23E | SESW | U-37355 | UTU37355 | 430473486600S1 |
| BONANZA 09-06 | 9 | 105 | 23E | NWNE | U-37355 | UTU37355 | 430473477100S1 |
| BONANZA 10-02 | 10 | 108 | 23E | NWNW | U72028 | UTU80201 | 430473470400S1 |
| BONANZA 10-03 | 10 | 10S | 23E | NWNE | UTU38261 | CR-5 | 430473472800S1 |
| BONANZA 10-04 | 10 | 108 | 23E | SENE | UTU40736 | CR-5 | 430473477200S1 |
| BONANZA 1023-2A | 2 | 10\$ | 23E | NENE | ML47062 | | 430473534700 S 1 |
| BONANZA 1023-2C | 2 | 10S | 23E | NENW | ML47062 | | 430473534600S1 |
| BONANZA 1023-2E | 2 | 10S | 23E | SWNW | ML47062 | | 430473534500 S 1 |
| BONANZA 1023-4E | 4 | 10S | 23E | SWNW | U-33433 | | 43047353920S1 |
| BONANZA 1023-6C | 6 | 10S | 23E | NENW | U-38419 | UTU38419 | 430473515300\$1 |
| BONANZA 1023-7B | 7 | 10S | 23E | NWNE | U-38420 | UTU38420 | 430473517200S1 |
| BONANZA 1023-7L | 7 | | | NWSW | U-38420 | | 430473528900 S 1 |
| BONANZA 11-02 | 11 | | | SWNW | UTU38425 | CR-23 | 430473477300\$1 |
| BONANZA FEDERAL 03-15 | 15 | | | NENW | UTU38428 | UTU38428 | 430473127800S1 |
| CANYON VIEW FEDERAL 1-18 | | | | SENW | UTU38421 | UTU38421 | 430473037900S1 |
| CIGE 008 | | | | SWSE | UTU010954A | 891008900A | 430473042700S1 |
| CIGE 009 | 36 | | | | ML22650 | 891008900A | 430473041900S1 |
| CIGE 010 | | | | | ML22651 | 891008900A | 430473042500S1 |
| CIGE 031 | 1 | | | | U011336 | 891008900A | 430473051100S1 |
| CIGE 062D | 36 | | | | ML22650 | 891008900A | 430473088500S1 |
| CIGE 067A | | | | | ML22651 | 891008900A | 430473093800S1 |
| CIGE 068D | | | | | UTU010954A UTU0149077 | 891008900A 891008900A | 430473095100S1 430473114600S1 |
| CIGE 089D | 34 | | | | | | |
| CIGE 105D | | | | | U011336 UTU010954A | 891008900A 891008900A | 430473175800S1 430473202500S1 |
| CIGE 118 | 2 | | | | | 891008900A | 43047320230031 430473202200S1 |
| CIGE 144 | | | | | ML22650 | 891008900A | 430473202000\$1 |
| CIGE 153 | | | | | UTU010954A | 891008900A | 430473206700\$1 |
| CIGE 161 | 2 | | | | ML22651 | 891008900A | 430473216800S1 |
| CIGE 162 | + | | | | ML22650 | 891008900A | 430473216400S1 |
| CIGE 186 | | | | | UTU010954A | 891008900A | 430473259000S1 |
| CIGE 193 | | | | | UTU010954A | 891008900A | 430473297300S1 |
| CIGE 194 | | | | | U011336 | 891008900A | 430473293200S1 |
| CIGE 195 | | | | | ML22651 | 891008900A | 430473279700S1 |
| CIGE 212 | 34 | | | | UTU0149077 | 891008900A | 430473293800S1 |
| CIGE 221 | | | | | ML22650 | 891008900A | 430473286800S1 |
| CIGE 222 | | | | NESW | ML22650 | 891008900A | 430473286900S1 |
| CIGE 223 | | | | | U011336 | 891008900A | 430473298300S1 |
| CLIFF EDGE 1-15 | 15 | | | | UTU38427 | UTU38427 | 430473046200S1 |
| CROOKED CYN FED 1-17 | 17 | 10S | 23E | NESW | UTU37355 | UTU37355 | 430473036900S1 |
| FLAT MESA FEDERAL 1-7 | 7 | 10S | 23E | NWSE | UTU38420 | UTU38420 | 430473036500S1 |
| FLAT MESA FEDERAL 2-7 | 7 | 10S | 23E | SENW | UTU38420 | UTU38420 | 430473054500S1 |
| JACK RABBIT 1-11 | 11 | 10S | 23E | SWNE | UTU38425 | CR-23 | 430473042300 S 1 |
| LOOKOUT POINT STATE 1-16 | 16 | 10S | | | ML22186A | | 430473054400S1 |
| NBU 024N2 | | | | | U01197A | 891008900A | 430473053500 S 1 |
| NBU 038N2 | | | | | U06512 | 891008900A | 430473053600S1 |
| NBU 1022-1G | | | | | | 891008900A | 430473517500S1 |
| NBU 922-35K | | | | | UTU-010954A | 891008900A | 430473512600S1 |
| NBU 922-36I | | | | | | 891008900A | 430473510700S1 |
| NO NAME CANYON 1-9 | _ | | | | | UTU37355 | 430473037800S1 |
| NO NAME CANYON 2-9 | 9 | | | | | UTU37355 | 430473150400S1 |
| NSO FEDERAL 1-12 | | | | | UTU38423 | CR-22 | 430473056000S1 |
| PETE'S FLAT 1-1 | | | | | UTU40736 | <u> </u> | 430473055800S1 |
| SAGE HEN FEDERAL 1-6 | · | | | | | CR-3 | 430473038200S1 |
| SAGEBRUSH FEDERAL 1-8 | + | | | | UTU37355 | UTU37355 | 430473038300S1 |
| SHEEPHERDER FEDERAL 1-10 | + | | | | ~~~~ | CR-5 | 430473055900S1 |
| SOUTHMAN CANYON 01-05 FED | 5 | 10S | 23E | SENW | UTU33433 | UTU74473 | 430473085600S1 |

Form 3 160-5 (August 1999)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED OMB No. 1004-0135 Expires Inovember 30, 2000

6. If Indian, Allottee or Tribe Name

Lease Serial No.

SEE ATTACHED

SUNDRY NOTICES AND REPORTS ON WELL'S

Do not use this form for proposals to drill or reenter an

| abandoned well. | Use Form 3160-3 (APL | D) for such proposals | i. | | |
|---|---|---|-------------------------------------|---|--|
| SUBMIT IN TRIPL | 7. If Unit or CA/Agreement, Name and/or No. | | | | |
| Type of Well Oil Well Sas Well Name of Operator | 8. Well Name and No. SEE ATTACHED | | | | |
| WESTPORT OIL & GAS CO | OMPANY L.P. | | | 9. API Well No. | |
| 3a. Address | | 3b. Phone No. (include | e area code) | SEE ATTACHED | |
| 1368 SOUTH 1200 EAST \ | /ERNAL. UT 84078 | (435) 781-7024 | | 10. Field and Pool, or Exploratory Area | |
| 4. Location of Well (Footage, Sec., | | <u></u> | | Tvarious | |
| , , | | | | 11. County or Parish, State | |
| SEE ATTACHED | | | | UINTAH, UTAH | |
| 12. CHECK APP | PROPRIATE BOX(ES) TO | INDICATE NATURE (| OF NOTICE, I | REPORT, OR OTHER DATA | |
| TYPE OF SUBMISSION | | TYP | E OF ACTIO | N | |
| Notice of Intent | Acidize Alter Casing | Deepen Fracture Treat | Production Reclamati | n (Start/Resume) Water Shut-Off on Well Integrity | |
| Subsequent Report | Casing Repair | New Construction | Recomple | | |
| Final Abandonment Notice | Change Plans Convert to Injection | Plug and Abandon Plug Back | Water Dis | * | |
| 13. Describe Proposed or Completed Ope | rations (clearly state all pertiner | nt details, including estimated give subsurface locations and | starting date of measured and tr | any proposed work and approximate duration thereof ue vertical depths of all pertinent markers and zones. | |

Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

THE OPERATOR REQUESTS AUTHORIZATION TO PLACE THE SUBJECT WELL LOCATIONS ON TEMPORARILY ABANDONMENT STATUS, UNTIL SUCH TIME THE WELL LOCATIONS CAN BE PLUGGED AND ABANDON.

false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

| PLEASE REFER TO THE ATTA FOR THE NEXT 5 YEARS. | COPY SENT TO CREAK Date: 8-24-01 Initials: CFD | AP | PROVED BY THE OF UTAH DIVISION OIL, GAS, AND MI | NING |
|--|---|---------------------------|---|--------------------------------------|
| 14. I hereby certify that the foregoing is to Name (Printed/Typed) Sheila Upchego Signature MARCH M | Residence control of the control of | y 25, 2004 | Act | al Approval Of This ion is Necessary |
| Approved by | THIS SPACE FOR | FEDERAL OR STATE US Title | Date | |
| Conditions of approval, if any, are attached. App certify that the applicant holds legal or equitable which would entitle the applicant to conduct oper. Title 18 U.S.C. Section 1001, make it a | title to those rights in the subject leas ations thereon. | e | y department or agency of the U | nided States Anny |

| API# | WELL NAME | S-T-R | LEASE NUMBERS |
|----------------|---|----------------------------|--|
| 43-047- | 1 2004 DO AL 40 W II- | | |
| 0.1000 | Proposed 2004 P&A's - 13 Wells | 15-6-20 NENE | UTU-5800 7 |
| 31900 | EAST GUSHER 15-1A | 11-10-23 SWNE | |
| 30423 | JACK RABBIT 1-11 | 9-10-23 SWSW | UTU-37355 |
| 32540 | SOUTHMAN CANYON 09-03M SOUTHMAN CANYON 31-01-L | 31-9-23 NWSW | UTU-33433 |
| 32543 | | 3-10-22 SWNW | 1 |
| 31100 | NBU 070N3 | 10-10-22 SWNE | |
| 30221 | NBU 018 | 8-7-23 SWSW. | UTU-02651 |
| 20280 | WALKER HOLLOW U MCLISH 1 | 8-7-23 SWSE | UTU-02651 |
| 30011 | WALKER HOLLOW U MCLISH 2 | | UTU-02651 |
| 30030 | WALKER HOLLOW U MCLISH 4 | 8-7-23 NESW | UTU-02651 |
| 31034 | WALKER HOLLOW UNIT 6 | 8-7-23 SESE | UTU-02651 |
| 30027 | WALKER HOLLOW U MCLISH 3 | 8-7-23 NESE 8-7-23 NWSE | UTU-02651 |
| 31092 | WALKER HOLLOW UNIT J-8 | 11-10-22 SWNW | |
| 31975 | NBU 153 | 11-10-22 SVVINVV | U-01197A |
| | Proposed 2005 P&A's - 15 Wells | | |
| 31833 | BASER DRAW 5-1 | 5-7-22 NWNW | IUTU-075939 |
| 31834 | BASER DRAW 6-1 | 6-7-22 NWNW | UTU-075939 |
| | BASER DRAW FEDERAL 6-2 | 6-7-22 SWNE | UTU-075939 |
| 31859 | COORS FEDERAL 14-1D | 14-7-21 NWNW | UTU-65223 |
| 31304 | COORS FEDERAL 2-10HB | 10-7-21 NWNW | UTU-6522 |
| 32009 | DM ICE FRIDAY 34-22 | 34-8-20 NESE | 14-20-H62-2997 |
| 30753 | FEDERAL 11-1-M | 11-6-20 SWSW | UTU-64376 |
| 32333 | HORSESHOE BEND FED 03-1 | 3-7-21 NWSE | UTU-0142175 |
| 33831 33832 | HORSESHOE BEND FED 04-1 | 4-7-21 NWSE | UTU-66401 |
| 33872 | HORSESHOE BEND FED 26-3 | | UTU-38401 |
| 33667 | KENNEDY WASH FED 14-1 | | UTU-71424 |
| | SAND RIDGE FED 23-17 | | UTU-0143276 |
| 30623 | STIRRUP FEDERAL 29-2 | | UTU-46699 |
| 31508 | STIRRUP FEDERAL 29-3 | 29-6-21 SESE | UTU-78854 |
| 31634 30815 | WEST WALKER FED. 1-33 | 33-6-22 NWSW | UTU-38411 |
| 30013 | WEST WALKERT ED. 1-00 | 00 0 22 1111011 | 0.000111 |
| | Proposed 2006 P&A's - 15 Wells | | |
| 30524 | BITTER CREEK 01-03 | 3-11-22 SWNE | UTU-29797 |
| 30379 | CANYON VIEW FEDERAL 1-18 | 18-10-23 SENW | UTU-38421 |
| 30369 | CROOKED CYN FED 1-17 | 17-10-23 NENW | UTU-37355 |
| 31778 | E BENCH UNIT #1 | 33-11-22 NWSE | UT-121P |
| 30365 | FLAT MESA FED. 1-7 | 7-10-23 NWSE | UTU-38420 |
| 30544 | LOOKOUT POINT STATE 1-16 | 16-10-23 NESE | ML-221886A |
| 30766 | LOVE UNIT B2-3 | 3-11-21 SWSW | UTU-8347 |
| 30560 | NSO FEDERAL 1-12 | 12-10-23 NENW | The second secon |
| 30558 | PETE'S FLAT 1-1 | | UTU-40736 |
| 30382 | SAGE HEN FEDERAL 1-6 | 6-10-23 NESE | UTU-38419 |
| 30383 | SAGEBRUSH FEDERAL 1-8 | 8-10-23 SWNE | UTU-37355 |
| 30856 | SOUTHMAN CANYON 01-05 FED | 5-10-23 SENW | The state of the s |
| 30632 | SOUTHMAN CANYON 4-4 | 4-10-23 NWSE | |
| 30481 | WHITE RIVER 1-14 | 14-10-23 NENW | |
| 31775 | WILLOW CREEK UNIT #1 | 27-11-20 SENE | |
| | 1 | | <u> </u> |

Proposed 2007 P&A's - 15 Wells

| 30494 | CIGE 035 | 1-10-20 NESW | UTU-02270A |
|-------|-----------------------|---------------|----------------|
| 30542 | CIGE 066 | 23-10-21 SENW | UTU-02278A |
| 30952 | CIGE 073D | 5-10-22 SWSW | UTU-01191A |
| 30953 | CIGE 074D | 6-10-22 NWSE | UTU-01195 |
| 31915 | CIGE 114 | 34-9-21 NESE | U-01194A |
| 34436 | CIGE 282 | 7-10-22 NENE | ML-23609 |
| 30962 | KURIP 01-027 | 1-9-20 NENW | 14-20-H62-3004 |
| 30848 | NBU 043 | 26-10-20 NWSE | UTU-4476 |
| 30534 | NBU 047N2 | 30-10-22 SESW | UTU-0132568A |
| 31250 | NBU 087J | 3-10-22 NESW | UTU-01191A |
| 31923 | NBU 114 | 5-10-21 SWSW | UTU-01393D |
| 31982 | NBU 149 | 5-10-22 NESE | UTU-01191 |
| 31992 | NBU 150 | 9-10-22 SENW | UTU-01196B |
| 32234 | NBU 188 | 10-10-22 SWSW | U-01196C |
| 33692 | WONSITS FEDERAL 01-05 | 5-8-22 LOT 5 | UTU-72633 |

Proposed 2008 P&A's - 11 wells

| 32401 | NBU 213 | 15-10-22 NWNW | UTU-025187 |
|-------|------------|---------------|------------|
| 32480 | NBU 217 | 28-9-21 NESW | U-05678 |
| 32944 | NBU 242 | 5-10-22 SWSE | UTU-01191 |
| 32917 | NBU 253 | 10-9-21 SWNW | U-0141315 |
| 32929 | NBU 262 | 33-9-21 NENE | UTU-0576 |
| 33011 | NBU 278 | 30-9-22 SWSW | U-463 |
| 32976 | NBU 285 | 3-10-22 NWNW | UTU-01191 |
| 32886 | NBU 296 GR | 24-10-20 NWNE | UTU-4485 |
| 33776 | NBU 364 | 29-9-21 SESE | UTU-0581 |
| 30838 | NBU 58N2 | 27-10-22 NENW | U-473 |
| 31327 | NBU 98-V | 34-9-21 SWSW | U-01194-A |



State of Utah

Department of **Natural Resources**

Division of Oil, Gas & Mining

ROBERT L. MORGAN Executive Director

LOWELL P. BRAXTON Division Director

MICHAEL O. LEAVITT Governor

OLENE S. WALKER Lieutenant Governor

CONDITIONS OF APPROVAL TO EXTEND SI/TA OF WELL

Well Name and Number:

Several State and Federal wells

API Number:

See Sundry List

Operator:

Westport Oil and Gas Company L.P.

Reference Document:

Original Sundry dated May 25, 2004, received by DOGM on June 3, 2004

The Division of Oil, Gas and Mining (DOGM) accepts Westport's plan of action to Plug and Abandon sixty-nine wells by year-end 2008. Based upon the plan of action DOGM approves these-sixty-nine (69) wells for extended shut-in until September 1, 2005.

Approval Conditions (Federal Approval necessary on all Federal/Indian wells):

- 1. If SI/TA is desired beyond the approval date listed above, the operator should submit a request for extended SI/TA at that time. Adherence to the accepted plan of action, wellbore conditions etc. will be taken into consideration.
- 2. A well monitoring program should be in place to ensure that health, safety and the environment are all protected (wellbore integrity).
- 3. Any changes in wellbore conditions or integrity; or sustained pressure on casing/casing annuli shall be reported to the Division immediately. A new monitoring program or remedial action may be necessary at that time.

Dustin K. Doucet

August 20, 2004

Date

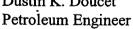




EXHIBIT B PITS TO BE RECLAIMED IN 2004

| | LEGALS | | | 3 | | | |
|-----------|--------|-----|-----|---------|--------------|------------|----------------|
| WELL | SEC | TWN | RGE | QTR/QTR | STF LEASE NO | CA NUMBER | API NO |
| CIGE 008 | 35 | 098 | 22E | SWSE | UTU010954A | 891008900A | 430473042700S1 |
| CIGE 062D | 36 | 098 | 22E | NWSW | ML22650 | 891008900A | 430473088500S1 |
| CIGE 153 | 35 | 098 | 22E | SESW | UTU010954A | 891008900A | 430473206700S1 |

Form 3160-5 (August 1999)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED OMB NO. 1004-0135 Expires: November 30, 2000

| Do not use ti | SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals. | | | | | |
|--|--|---|---|--|--|--|
| SUBMIT IN TR | IPLICATE - Other instru | ctions on reverse sid | 9. | 7. If Unit or CA/Agreement, Name and/or No. 8. Well Name and No. SOUTHMAN CANYON 4-4 | | |
| Type of Well Oil Well | ther | | - | | | |
| Name of Operator WESTPORT OIL & GAS COI | Contact | DEBRA DOMENICI E-Mail: ddomenici@kmg. | com | 9. API Well No. 43-047-30632 | | |
| 3a. Address 1368 S 1200 E VERNAL, UT 84078 | 3b. Phone No. (include at Ph: 435.781.7060 Fx: 435.781.7094 | | 10. Field and Pool, or BONANZA | r Exploratory | | |
| 4. Location of Well (Footage, Sec., 2 Sec 4 T10S R23E NWSE 161 | | , | | 11. County or Parish, UINTAH COUN | | |
| 12. CHECK APP | ROPRIATE BOX(ES) TO | O INDICATE NATUR | E OF NOTICE, I | LEPORT, OR OTHE | R DATA | |
| TYPE OF SUBMISSION | | T | YPE OF ACTION | | | |
| Subsequent Report □ Subsequent Report □ Final Abandonment Notice 13. Describe Proposed or Completed Ople of the proposal is to deepen directions Attach the Bond under which the word following completion of the involved testing has been completed. Final Abdetermined that the site is ready for fit WESTPORT OIL & GAS COM TO A CLASS II WATER INJECT AS PER THE ATTACHED PR APPLICATION TO THE EPA-10. | ky will be performed or provide operations. If the operation resonandonment Notices shall be file nal inspection.) IPANY PROPOSES TO CCTION WELL TO DISPOSOCEDURES. JIC FOR A CLASS II INJECTION OF THE PROPERTY OF THE PROP | give subsurface locations and the Bond No. on file with Blowlts in a multiple completion and only after all requirements CONVERT THE SOUTHED OF PRODUCED WA | Reclar ion Recom don Tempo Water I starting date of any d measured and true of MBIA. Required so or recompletion in a , including reclamation IMAN CANYON ATERS FROM BO | proposed work and approximately Abandon Disposal proposed work and approximately appro | ent markers and zones. filed within 30 days 0-4 shall be filed once and the operator has | |
| | | in Division of las and Mining ECORD ONLY | | . | 8 2004 BAS & MINING | |
| 14. I hereby certify that the foregoing is | | OIL | | DIV. 01 0.2, 0 | | |
| in the second se | Electronic Submission #3 | 6395 verified by the BLI OIL & GAS COMPANY, | M Well Information sent to the Vernal | System | | |
| Name (Printed/Typed) DEBRA DOMENICI | | | NVIRONMENTAL | ASSISTANT | | |
| Signature Della V | monica abmission) | Date 09 | /20/2004 | | | |
| | THIS SPACE FO | R FEDERAL OR STA | ATE OFFICE U | SE | | |
| Approved By | | Title | | | Date | |
| Conditions of approval, if any, are attached, certify that the applicant holds legal or equi- which would entitle the applicant to conduc | table title to those rights in the s | ot warrant or subject lease | | | | |

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

10523E04 43047-30632

STATEMENT OF BASIS

WESTPORT OIL AND GAS COMPANY, L.P. SOUTHMAN CANYON 4-4 UINTAH COUNTY, UT

EPA PERMIT NO. UT20984-06548

CONTACT: Chuck Tinsley

U. S. Environmental Protection Agency

Ground Water Program, 8P-W-GW

999 18th Street, Suite 300 Denver, Colorado 80202-2466

Telephone: 1-800-227-8917 ext. 6266

This STATEMENT OF BASIS gives the derivation of site-specific UIC Permit conditions and reasons for them. Referenced sections and conditions correspond to sections and conditions in the Permit.

UIC Permits specify the conditions and requirements for construction, operation, monitoring and reporting, and plugging of injection wells to prevent the movement of fluids into underground sources of drinking water (USDWs). Under 40 CFR 144 Subpart D, certain conditions apply to all UIC Permits and may be incorporated either expressly or by reference. General Permit conditions for which content is mandatory and not subject to site-specific differences (40 CFR Parts 144, 146 and 147) are not discussed in this document.

Upon the Effective Date when issued, the Permit authorizes the conversion and operation of a "new" injection well or wells governed by the conditions specified in the Permit. The Permit is issued for the operating life of the injection well or project unless terminated for reasonable cause under 40 CFR 144.39, 144.40 and 144.41. The Permit is subject to EPA review at least once every five (5) years to determine if action is required under 40 CFR 144.36(a).

PART I. General Information and Description of Facility

Westport Oil and Gas Company, L.P. 1368 South 1200 East Vernal, UT 84078

on

October 15, 2004

submitted an application for an Underground Injection Control (UIC) Program Permit for the following injection well or wells:

Southman Canyon 4-4
1613 FSL 1329 FEL, NWSE S4, T10S, R23E
Uintah County, UT

Regulations specific to Uintah-Ouray Indian Reservation injection wells are found at 40 CFR 147 Subpart TT.

The Permit application, including the required information and data necessary to issue a UIC Permit in accordance with 40 CFR Parts 144, 146 and 147, was reviewed by EPA and determined to be complete.

The Permit will expire upon delegation of primary enforcement responsibility (primacy) for applicable portions of the UIC Program to the Ute Indian Tribe or the State of Utah unless the delegated agency has the authority and chooses to adopt and enforce this Permit as a Tribal or State Permit.

TABLE 1.1 shows the status of the well or wells as "New", "Existing", or "Conversion" and for Existing shows the original date of injection operation. Well authorization "by rule" under 40 CFR Part 144 Subpart C expires automatically on the Effective Date of an issued UIC Permit.

TABLE 1.1 WELL STATUS / DATE OF OPERATION CONVERSION WELLS Well Name Well Status Date of Operation Southman Canyon 4-4 Conversion N/A

PART II. Permit Considerations (40 CFR 146.24)

Geologic Setting (TABLE 2.1)

THE UINTA FORMATION (0'-1100')

The Uinta Formation is calcareous shale, some limestone, claystone, siltstone, and sandstone. It is a fluvial facies in the eastern and western ends of the basin that interfingers with rocks similar in appearance to the overlying Duchesne River Formation. It grades laterally into thinner bedded calcareous lake deposits in the center of the basin.

The Uinta is very low to very high permeability. Largest primary intergranular permeability of the sandstone seems to be about the same as that of the median for sandstone in the Duchesne River Formation. Most of the formation is finer grained, and, therefore, of lower primary permeability than the Duchesne River Formation. Permeability is greatly increased where the Uinta Formation Is fractured. In most of the area, the formation yields only a few gallons per minute of saline water to wells and springs. In some areas the water has high fluoride and boron concentrations. Locally, flowing wells yield fresh to slightly saline water. In the fluvial facies, particularly where the rocks are fractured, yields are larger.

THE GREEN RIVER FORMATION (1100'-4100')

The Green River Formation is mostly lacustrine shale that contains some limestone, marlstone, and siltstone. The formation includes beds of oil shale and of carbonate evaporite. The Green River interfingers with both the overlying Uinta and the underlying Wasatch Formations, as well as laterally with other formations near the edges of the basin.

The Green River Formation is very low to low permeability except where fractured. Sandstones near oil-shale beds have values of transmissivity from 0.9 to 2.4 sq ft/day. In most of the basin the formation yields only saline or briny water, though in and near the areas of outcrop in the southern part of the basin the water is fresh to slightly saline, and in the area of the outcrop near Strawberry Reservoir the water is fresh where the formation is fractured.

THE WASATCH FORMATION (4100'-6152')

In most of the basin, the Wasatch Formation is mainly lacustrine shale, sandstone, and conglomerate. It interfingers with the overlying and underlying formations and laterally with the North Horn, Currant Creek, and Green River Formations. The Wasatch outcrops only in the far eastern end of the northern Uinta Basin and in the canyons of deeply incised streams in the southern Uinta Basin.

The Wasatch Formation is very low to low permeability except where fractured. In the Greater Altamont-Bluebell oil field, the Wasatch sands reportedly have only 4 to 5 percent porosity, but are permeable because of fracturing. Much of the water produced with petroleum is moderately saline to very saline; generally, however, the water is less mineralized than is water from the Green River Formation.

THE MESAVERDE FORMATION (Top at 6152')

Continental deposits of shale, sandstone, and coal beds. Interfingers with the upper part of the underlying Mancos Shale and may interfinger with the overlying Currant Creek and North Horn Formations. Maximum thickness ranges from 550 to 4,000 feet in the western part of the basin

and from 400 to 1,160 feet in the eastern part of the basin.

Very low to high permeability. In areas of outcrop, water in the formation is fresh to slightly saline, but samples of water from petroleum tests in the eastern part of the basin reportedly were very saline to briny.

| TABLE 2.1 GEOLOGIC SETTING Southman Canyon 4-4 | | | | | | |
|--|----------|-----------|-------------|---|--|--|
| Formation Name | Top (ft) | Base (ft) | TDS (mg/l) | Lithology | | |
| Uinta | 0.00 | 1,100.00 | < 10,000.00 | The Uinta Formation is calcareous shale, some limestone, claystone, siltstone, and sandstone. | | |
| Green River | 1,100.00 | 3,188.00 | < 10,000.00 | The Green River Formation is mostly lacustrine shale that contains some limestone, marlstone, and siltstone. The formation includes beds of oil shale and of carbonate evaporite. | | |
| Green River | 3,188.00 | 4,100.00 | > 10,000.00 | The Green River Formation is mostly lacustrine shale that contains some limestone, maristone, and siltstone. The formation includes beds of oil shale and of carbonate evaporite. | | |
| Wasatch | 4,100.00 | 6,162.00 | > 10,000.00 | In most of the basin, the Wasatch Formation is mainly lacustrine shale, sandstone, and conglomerate. | | |
| Mesaverde | 6,162.00 | 8,670.00 | > 10,000.00 | Continental deposits of shale, sandstone, and coal beds. | | |

Proposed Injection Zone(s) (TABLE 2.2)

An injection zone is a geological formation, group of formations, or part of a formation that receives fluids through a well. The proposed injection zones are listed in TABLE 2.2.

Injection will occur into an injection zone that is separated from USDWs by the confining zone which is free of known open faults or fractures within the Area of Review.

TABLE 2.2 INJECTION ZONES

Southman Canyon 4-4

| Formation Name | Top (ft) | Base (ft) | TDS (mg/l) | Fracture Gradient (psi/ft) | Porosity | Exempted?* |
|---|----------|---------------|-------------|----------------------------------|----------|------------|
| Green River | 3,945.00 | 4,100.00 | > 10,000.00 | 0.733 | | N/A |
| * C - Currently Exempted E - Previously Exempted | | : | | | | |

P - Proposed Exemption

N/A - Not Applicable

Confining Zone(s) (TABLE 2.3)

A confining zone is a geological formation, part of a formation, or a group of formations that limits fluid movement above the injection zone. The confining zone or zones are listed in TABLE 2.3.

| | TABLE 2.3 CONFINING ZONES Southman Canyon 4-4 | | |
|----------------|--|----------|-----------|
| Formation Name | Formation Lithology | Top (ft) | Base (ft) |
| Green River | The Green River Formation is mostly lacustrine shale that contains some limestone, marlstone, and siltstone. | 3,757.00 | 3,945.00 |
| Wasatch | In most of the basin, the Wasatch Formation is mainly lacustrine shale, sandstone, and conglomerate. | 4,100.00 | 4,418.00 |

Underground Sources of Drinking Water (USDWs) (TABLE 2.4)

Aquifers or the portions thereof which contain less than 10,000 mg/l total dissolved solids (TDS) and are being or could in the future be used as a source of drinking water are considered to be USDWs. The USDWs in the area of this facility are identified in TABLE 2.4.

TABLE 2.4 UNDERGROUND SOURCES OF DRINKING WATER (USDW)

Southman Canyon 4-4

| Formation Name | Formation Lithology | Top (ft) | Base (ft) | TDS (mg/l) |
|----------------|--|----------|-----------|-------------|
| Uinta | | 0.00 | 1,100.00 | < 10,000.00 |
| | The Uinta Formation is calcareous shale, some limestone, claystone, siltstone, and sandstone. | | | |
| Green River | The Green River Formation is mostly lacustrine shale that contains some limestone, marlstone, and siltstone. | 1,100.00 | 3,188.00 | < 10,000.00 |

PART III. Well Construction (40 CFR 146.22)

| TABLE 3.1 WELL CONSTRUCTION REQUIREMENTS Southman Canyon 4-4 | | | | | | | |
|--|-------------------|---------------------|------------------------|---------------------------|--|--|--|
| Casing Type | Hole Size (in) | Casing Size (in) | Cased Interval (ft) | Cemented Interval (ft) | | | |
| Injection | 7.88 | 5.50 | 0.00 - 4,350.00 | 0.00 - 4,350.00 | | | |
| Surface | 12.25 | 9.63 | 0.00 - 2,762.00 | 0.00 - 2,762.00 | | | |
| Conductor | 17.50 | 13.38 | 0.00 - 195.00 | 0.00 - 195.00 | | | |
| Abandoned Longstring | 7.88 | 5.50 | 4,500.00 - 8,400.00 | 6,500.00 - 8,400.00 | | | |

The approved well completion plan will be incorporated into the Permit as APPENDIX A and will be binding on the Permittee. Modification of the approved plan is allowed under 40 CFR 144.52(a)(1) provided written approval is obtained from the Director prior to actual modification.

Casing and Cementing (TABLE 3.1)

The construction plan for the well or wells proposed for conversion to an injection well was evaluated and determined to be in conformance with standard practices and guidelines that ensure well injection does not result in the movement of fluids into USDWs. Well construction and conversion details for the well or wells are shown in TABLE 3.1.

Tubing and Packer

Injection tubing is required to be installed from a packer up to the surface inside the well casing. The packer will be set above the uppermost perforation. The tubing and packer are designed to prevent injection fluid from coming into contact with the outermost casing.

Tubing-Casing Annulus (TCA)

The TCA allows the casing, tubing and packer to be pressure-tested periodically for mechanical integrity, and will allow for detection of leaks. The TCA will be filled with fresh water treated with a

corrosion inhibitor or other fluid approved by the Director.

Monitoring Devices

The permittee will be required to install and maintain wellhead equipment allowing for monitoring pressures and providing access for sampling the injected fluid. This equipment includes: 1) shutoff valves located at the wellhead on the injection tubing and on the TCA; 2) a flow meter that measures the cumulative volume of injected fluid; 3) pressure gauges attached to the injection tubing and the TCA to monitor the injection and TCA pressure; and 4) a tap on the injection line, isolated by shut-off valves, for sampling the injected fluid.

All sampling and measurement taken for monitoring must be representative of the monitored activity.

PART IV. Area of Review, Corrective Action Plan (40 CFR 144.55)

| TABLE 4.1 AOR AND CORRECTIVE ACTION | | | | | | |
|--------------------------------------|----------|---------------------------|---------------------|-------------------|-----------------------|--|
| Well Name | Туре | Status (Abandoned Y/N) | Total Depth (ft) | TOC Depth (ft) | CAP Required (Y/N) | |
| Bonanza 1023-40 | Other | No | 8,500.00 | 0.00 | No | |
| Bonanza 1023-4I | Producer | No | 8,235.00 | 0.00 | No | |

TABLE 4.1 lists the wells in the Area of Review ("AOR") and shows the well type, operating status, depth, top of casing cement ("TOC") and whether a Corrective Action Plan ("CAP") is required for the well.

Area Of Review

Applicants for Class I, II (other than "existing" wells) or III injection well Permits are required to identify the location of all known wells within the injection well's Area of Review (AOR) which penetrate the injection zone, or in the case of Class II wells operating over the fracture pressure of the formation, all known wells within the area of review that penetrate formations which may be affected by increased pressure. Under 40 CFR 146.6 the AOR may be a fixed radius of not less than one quarter (1/4) mile or a calculated zone of endangering influence. For Area Permits, a fixed width of not less than one quarter (1/4) mile for the circumscribing area may be used.

Corrective Action Plan

For wells in the AOR which are improperly sealed, completed, or abandoned, the applicant shall develop a Corrective Action Plan (CAP) consisting of the steps or modifications that are necessary to prevent movement of fluid into USDWs.

The CAP will be incorporated into the Permit as APPENDIX F and become binding on the permittee.

TABLE 4.1 lists the wells in the AOR, and shows the well type, operating status, depth, top of casing cement and whether a CAP is required for this well.

PART V. Well Operation Requirements (40 CFR 146.23)

| INJE | TABLE 5.1 ECTION ZONE PRESSU | RES | |
|----------------|---|----------------------------------|-----------------------|
| | Southman Canyon 4-4 | | |
| Formation Name | Depth Used to Calculate MAIP (ft) | Fracture Gradient (psi/ft) | Initial MAIP (psi) |
| Green River | 3,945.00 | 0.733 | 1,120 |

Approved Injection Fluid

The approved injection fluid is limited to fluids which meet requirements pursuant to 40 CFR § 144.6(b). For disposal wells injecting water brought to the surface in connection with natural gas storage operations, or conventional oil or natural gas production, the fluid may be commingled and the well used to inject other Class II wastes such as drilling fluids and spent well completion, treatment and stimulation fluid. Non-exempt wastes, including unused fracturing fluids or acids, gas plant cooling tower cleaning wastes, service wastes and vacuum truck wastes, are not approved.

This well is NOT approved for commercial brine injection, industrial waste fluid disposal or injection of hazardous waste as defined by CFR 40 Part 261.

Injection Pressure Limitation

Injection pressure, measured at the wellhead, shall not exceed a maximum calculated to assure that the pressure used during injection does not initiate new fractures or propagate existing fractures in the confining zones adjacent to the USDWs.

The applicant submitted injection fluid density and injection zone data which was used to calculate a formation fracture pressure and to determine the maximum allowable injection pressure (MAIP), as measured at the surface, for this Permit,

TABLE 5.1 lists the fracture gradient for the injection zone and the approved MAIP, determined according to the following formula:

$$FP = [fg - (0.433 * sg)] * d$$

FP = formation fracture pressure (measured at surface)

fg = fracture gradient (from submitted data or tests)

sg = specific gravity (of injected fluid)

d = depth to top of injection zone (or top perforation)

Injection Volume Limitation

Cumulative injected fluid volume limits are set to assure that injected fluids remain within the boundary of the exempted area. Cumulative injected fluid volume is limited when injection occurs into an aquifer that has been exempted from protection as a USDW.

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Mechanical Integrity (40 CFR 146.8)

An injection well has mechanical integrity if:

1. there is no significant leak in the casing, tubing, or packer (Part I); and

2. there is no significant fluid movement into a USDW through vertical channels adjacent to the injection well bore (Part II).

The Permit prohibits injection into a well which lacks mechanical integrity.

The Permit requires that the well demonstrate mechanical integrity prior to injection and periodically thereafter. A demonstration of mechanical integrity includes both internal (Part I) and external (Part II). The methods and frequency for demonstrating Part I and Part II mechanical integrity are dependant upon well-specific conditions as explained below:

Well construction and site-specific conditions dictate the following requirements for Mechanical Integrity (MI) demonstrations:

Part I MI - Internal MI will be demonstrated prior to beginning injection. Since this well is constructed with a standard casing, tubing, and packer configuration, a successful test is required to take place at least once every five (5) years. A demonstration of Part I MI is also required prior to resuming injection following any workover operation that affects the casing, tubing, or packer.

Part II MI - The operator will install new 5-1/2" casing from surface to approximately 4350'. This casing will be cemented from 4350' to surface. A cement bond log (CBL) will be required and may be used to prove Part II Mechanical Integrity by showing the existance of cement with 80% or better bonding in a continuous 18' interval anywhere within the upper confining zone 3757-3945. If the CBL does not confirm that this cement meets or exceeds minimum requirements needed to demonstrate zone isolation through the confining zone, radioactive tracer logging will be required to prove Part II MI. This log will be designed to prove that injected fluid does not migrate out of the injection interval through channels between the casing and the open hole.

PART VI. Monitoring, Recordkeeping and Reporting Requirements

Injection Well Monitoring Program

At least once a year the permittee must analyze a sample of the injected fluid for total dissolved solids (TDS), specific conductivity, pH, and specific gravity. This analysis shall be reported to EPA annually as part of the Annual Report to the Director. Any time a new source of injected fluid is added, a fluid analysis shall be made of the new source.

Instantaneous injection pressure, injection flow rate, cumulative fluid volume and TCA pressures must be observed on a weekly basis. A recording, at least once every thirty (30) days, must be made of the injection pressure, injection flow rate and cumulative fluid volume, and the maximum and average value for each must be determined for each month. This information is required to be reported annually as part of the Annual Report to the Director.

PART VII. Plugging and Abandonment Requirements (40 CFR 146.10)

Plugging and Abandonment Plan

Prior to abandonment, the well or wells must be plugged with cement in a manner which will not allow the movement of fluids either into or between USDWs. The plugging and abandonment plan is described in Appendix E of the Permit.

PART VIII. Financial Responsibility (40 CFR 144.52)

Demonstration of Financial Responsibility

The permittee is required to maintain financial responsibility and resources to close, plug, and abandon the underground injection operation in a manner prescribed by the Director. The permittee shall show evidence of such financial responsibility to the Director by the submission of a surety bond, or other adequate assurance such as financial statements or other materials acceptable to the Director. The Regional Administrator may, on a periodic basis, require the holder of a lifetime permit to submit a revised estimate of the resources needed to plug and abandon the well to reflect inflation of such costs, and a revised demonstration of financial responsibility if necessary. Initially, the operator has chosen to demonstrate financial responsibility with:

| Surety Bond, received April 20, 2 | 2004 |
|-----------------------------------|------|
| | |

Evidence of continuing financial responsibility is required to be submitted to the Director annually.

105 23E 04 4304730632

♦EPAUNDERGROUND INJECTION CONTROL PROGRAM PERMIT

PREPARED: October 2005

Permit No. UT20984-06548

Class II Salt Water Disposal Well

Southman Canyon 4-4 Uintah County, UT

Issued To

Westport Oil and Gas Company, L.P.

1368 South 1200 East Vernal, UT 84078

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Part I. AUTHORIZATION TO CONSTRUCT AND OPERATE

Under the authority of the Safe Drinking Water Act and Underground Injection Control (UIC) Program regulations of the U. S. Environmental Protection Agency (EPA) codified at Title 40 of the Code of Federal Regulations (40 CFR) Parts 2, 124, 144, 146, and 147, and according to the terms of this Permit.

Westport Oil and Gas Company, L.P. 1368 South 1200 East Vernal, UT 84078

is authorized to construct and to operate the following Class II injection well or wells:

Southman Canyon 4-4 1613 FSL 1329 FEL, NWSE S4, T10S, R23E Uintah County, UT

Permit requirements herein are based on regulations found in 40 CFR Parts 124, 144, 146, and 147 which are in effect on the Effective Date of this Permit.

This Permit is based on representations made by the applicant and on other information contained in the Administrative Record. Misrepresentation of information or failure to fully disclose all relevant information may be cause for termination, revocation and reissuance, or modification of this Permit and/or formal enforcement action. This Permit will be reviewed periodically to determine whether action under 40 CFR 144.36(a) is required.

This Permit is issued for the life of the well or wells unless modified, revoked and reissued, or terminated under 40 CFR 144.39 or 144.40. This Permit may be adopted, modified, revoked and reissued, or terminated if primary enforcement authority for this program is delegated to an Indian Tribe or a State. Upon the effective date of delegation, all reports, notifications, questions and other compliance actions shall be directed to the Indian tribe or State Program Director or designee.

Issue Date: NOV - 3 2005

Effective Date _____NOV - 3 2005

for Stephen S. Tuber

Assistant Regional Administrator*

Office of Partnerships and Regulatory Assistance

*NOTE: The person holding this title is referred to as the "Director" throughout this Permit.

PART II. SPECIFIC PERMIT CONDITIONS

Section A. WELL CONSTRUCTION REQUIREMENTS

These requirements represent the approved minimum construction standards for well casing and cement, injection tubing, and packer.

Details of the approved well construction plan are incorporated into this Permit as APPENDIX A. Changes to the approved plan that may occur during construction must be approved by the Director prior to being physically incorporated.

1. Casing and Cement.

The well or wells shall be cased and cemented to prevent the movement of fluids into or between underground sources of drinking water. The well casing and cement shall be designed for the life expectancy of the well and of the grade and size shown in APPENDIX A. Remedial cementing may be required if shown to be inadequate by cement bond log or other attempted demonstration of Part II (External) mechanical integrity.

2. Injection Tubing and Packer.

Injection tubing is required, and shall be run and set with a packer at or below the depth indicated in APPENDIX A. The packer setting depth may be changed provided it remains below the depth indicated in APPENDIX A and the Permittee provides notice and obtains the Director's approval for the change.

3. Sampling and Monitoring Devices.

The Permittee shall install and maintain in good operating condition:

- (a) a "tap" at a conveniently accessible location on the injection flow line between the pump house or storage tanks and the injection well, isolated by shut-off valves, for collection of representative samples of the injected fluid; and
- (b) one-half (1/2) inch female iron pipe fitting, isolated by shut-off valves and located at the wellhead at a conveniently accessible location, for the attachment of a pressure gauge capable of monitoring pressures ranging from normal operating pressures up to the Maximum Allowable Injection Pressure specified in APPENDIX C:
 - (i) on the injection tubing; and
 - (ii) on the tubing-casing annulus (TCA); and
- (c) a pressure actuated shut-off device attached to the injection flow line set to shut-off the injection pump when or before the Maximum Allowable Injection Pressure specified in APPENDIX C is reached at the wellhead; and
- (d) a non-resettable cumulative volume recorder attached to the injection line.

4. Well Logging and Testing

Well logging and testing requirements are found in APPENDIX B. The Permittee shall ensure the log and test requirements are performed within the time frames specified in APPENDIX B. Well logs and tests shall be performed according to current EPA-approved procedures. Well log and test results shall be submitted to the Director within sixty (60) days of completion of the logging or testing activity, and shall include a report describing the methods used during logging or testing and an interpretation of the test or log results.

5. Postponement of Construction or Conversion

The Permittee shall complete well construction within one year of the Effective Date of the Permit, or in the case of an Area Permit within one year of authorization of the additional well. Authorization to construct and operate shall expire if the well has not been constructed within one year of the Effective Date of the Permit or authorization and the Permit may be terminated under 40 CFR 144.40, unless the Permittee has notified the Director and requested an extension prior to expiration. Notification shall be in writing, and shall state the reasons for the delay and provide an estimated completion date. Once Authorization has expired under this part, the complete permit process including opportunity for public comment may be required before Authorization to construct and operate can be reissued.

6. Workovers and Alterations

Workovers and alterations shall meet all conditions of the Permit. Prior to beginning any addition or physical alteration to an injection well that may significantly affect the tubing, packer or casing, the Permittee shall give advance notice to the Director and obtain the Director's approval. The Permittee shall record all changes to well construction on a Well Rework Record (EPA Form 7520-12), and shall provide this and any other record of well workover, logging, or test data to EPA within sixty (60) days of completion of the activity.

A successful demonstration of Part I MI is required following the completion of any well workover or alteration which affects the casing, tubing, or packer. Injection operations shall not be resumed until the well has successfully demonstrated mechanical integrity and the Director has provided written approval to resume injection.

Section B. MECHANICAL INTEGRITY

The Permittee is required to ensure each injection well maintains mechanical integrity at all times. The Director, by written notice, may require the Permittee to comply with a schedule describing when mechanical integrity demonstrations shall be made.

An injection well has mechanical integrity if:

- (a) There is no significant leak in the casing, tubing, or packer (Part I); and
- (b) There is no significant fluid movement into an underground source of drinking water throught vertical channels adjacent to the injection well bore (Part II).

1. Demonstration of Mechanical Integrity (MI).

The operator shall demonstrate MI prior to commencing injection and periodically thereafter. Well-specific conditions dictate the methods and the frequency for demonstrating MI and are discussed in the Statement of Basis. The logs and tests are designed to demonstrate both internal (Part I) and external (Part II) MI as described above. The conditions present at this well site warrant the methods and frequency required in Appendix B of this Permit.

In addition to these regularly scheduled demonstrations of MI, the operator shall demonstrate internal (Part I) MI after any workover which affects the tubing, packer or casing.

The Director may require additional or alternative tests if the results presented by the operator are not satisfactory to the Director to demonstrate there is no movement of fluid into or between USDWs resulting from injection activity. Results of MI tests shall be submitted to the Director as soon as possible but no later than sixty (60) days after the test is complete.

2. Mechanical Integrity Test Methods and Criteria

EPA-approved methods shall be used to demonstrate mechanical integrity. A current copy of Ground Water Section Guidance No. 34 "Cement Bond Logging Techniques and Interpretation", Ground Water Section Guidance No. 37, "Demonstrating Part II (External) Mechanical Integrity for a Class II injection well permit", and Ground Water Section Guidance No. 39, "Pressure Testing Injection Wells for Part I (Internal) Mechanical Integrity" are provided at issuance of this Permit.

The Director may stipulate specific test methods and criteria best suited for a specific well construction and injection operation.

3. Notification Prior to Testing.

The Permittee shall notify the Director at least 30 days prior to any scheduled mechanical integrity test. The Director may allow a shorter notification period if it would be sufficient to enable EPA to witness the mechanical integrity test. Notification may be in the form of a yearly or quarterly schedule of planned mechanical integrity tests, or it may be on an individual basis.

4. Loss of Mechanical Integrity.

If the well fails to demonstrate mechanical integrity during a test, or a loss of mechanical integrity becomes evident during operation (such as presence of pressure in the TCA, water flowing at the surface, etc.), the Permittee shall notify the Director within 24 hours (see Part III Section E Paragraph 11(e) of this Permit), and the well shall be shut-in within 48 hours unless the Director requires immediate shut-in.

Within five days, the Permittee shall submit a follow-up written report that documents test results, repairs undertaken or a proposed remedial action plan.

Injection operations shall not be resumed until after the well has successfully been repaired and demonstrated mechanical integrity, and the Director has provided approval to resume injection.

Section C. WELL OPERATION

INJECTION BETWEEN THE OUTERMOST CASING PROTECTING UNDERGROUND SOURCES OF DRINKING WATER AND THE WELL BORE IS PROHIBITED.

Injection is approved under the following conditions:

1. Requirements Prior to Commencing Injection.

Injection operation may commence only after all construction and pre-injection requirements herein have been met and approved. Except for new wells authorized by an Area Permit under 40 CFR 144.33 (c), the Permittee may not commence injection until construction is complete, and

- The Permittee has submitted to the Director a notice of completion of construction and a completed EPA Form 7520-12; all applicable logging and testing requirements of this Permit (see APPENDIX B) have been fulfilled and the records submitted to the Director; mechanical integrity pursuant to 40 CFR 146.8 and Part II Section B of this Permit has been demonstrated; and
 - The Director has inspected or otherwise reviewed the new injection well (i) and finds it is in compliance with the conditions of the Permit; or
 - The Permittee has not received notice from the Director of his or her intent to inspect or otherwise review the new injection well within 13 days of the date of the notice in Paragraph 1a, in which case prior inspection or review is waived and the Permittee may commence injection.

2. Injection Interval.

Injection is permitted only within the approved injection interval, listed in APPENDIX C. Additional individual injection perforations may be added provided that they remain within the approved injection interval and the Permittee provides notice to the Director in accordance with Part II, Section A, Paragraph 6.

3. Injection Pressure Limitation

- The permitted Maximum Allowable Injection Pressure (MAIP), measured at the wellhead, is found in APPENDIX C. Injection pressure shall not exceed the amount the Director determines is appropriate to ensure that injection does not initiate new fractures or propagate existing fractures in the confining zone adjacent to USDWs. In no case shall injection pressure cause the movement of injected or formation fluids into a USDW.
- The Permittee may request a change of the MAIP, or the MAIP may be (b) increased or decreased by the Director in order to ensure that the requirements in Paragraph (a) above are fulfilled. The Permitee may be required to conduct a step rate injection test or other suitable test to provide information for determining the fracture pressure of the injection zone. Change of the permitted MAIP by the Director shall be by modification of this Permit and APPENDIX C.

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4. Injection Volume Limitation.

Injection volume is limited to the total volume specified in APPENDIX C.

5. Injection Fluid Limitation.

Injected fluids are limited to those which are brought to the surface in connection with conventional oil or natural gas production and may be commingled with waste waters from gas plants which are an integral part of production operations unless those waters are classified as a hazardous waste at the time of injection, pursuant to 40 CFR 144.6(b). The well also may be used to inject approved Class II wastes brought to the surface such as drilling fluids and spent well completion, treatment and stimulation fluids. Non-exempt wastes, including unused fracturing fluids or acids, gas plant cooling tower cleaning wastes, service wastes and vacuum truck wastes, are NOT approved. This well is NOT approved for commercial brine or other fluid disposal operation.

6. Tubing-Casing Annulus (TCA)

The tubing-casing annulus (TCA) shall be filled with water treated with a corrosion inhibitor, or other fluid approved by the Director. The TCA valve shall remain closed during normal operating conditions and the TCA pressure shall be maintained at zero (0) psi.

If TCA pressure cannot be maintained at zero (0) psi, the Permittee shall follow the procedures in Ground Water Section Guidance No. 35 "Procedures to follow when excessive annular pressure is observed on a well."

Section D. MONITORING, RECORDKEEPING, AND REPORTING OF RESULTS

1. Monitoring Parameters, Frequency, Records and Reports.

Monitoring parameters are specified in APPENDIX D. Pressure monitoring recordings shall be taken at the wellhead. The listed parameters are to be monitored, recorded and reported at the frequency indicated in APPENDIX D even during periods when the well is not operating.

Monitoring records must include:

- (a) the date, time, exact place and the results of the observation, sampling, measurement, or analysis, and;
- (b) the name of the individual(s) who performed the observation, sampling, measurement, or analysis, and;
- (c) the analytical techniques or methods used for analysis.

2. Monitoring Methods.

(a) Monitoring observations, measurements, samples, etc. taken for the purpose of complying with these requirements shall be representative of the activity or condition being monitored.

- (b) Methods used to monitor the nature of the injected fluids must comply with analytical methods cited and described in Table 1 of 40 CFR 136.3 or Appendix III of 40 CFR 261, or by other methods that have been approved in writing by the Director.
- (c) Injection pressure, annulus pressure, injection rate, and cumulative injected volumes shall be observed and recorded at the wellhead under normal operating conditions, and all parameters shall be observed simultaneously to provide a clear depiction of well operation.
- (d) Pressures are to be measured in pounds per square inch (psi).
- (e) Fluid volumes are to be measured in standard oil field barrels (bbl).
- (f) Fluid rates are to be measured in barrels per day (bbl/day).

3. Records Retention.

- (a) Records of calibration and maintenance, and all original strip chart recordings for continuous monitoring instrumentation, copies of all reports required by this permit, and records of all data used to complete the application for this permit shall be retained for a period of AT LEAST THREE (3) YEARS from the date of the sample, measurement, report, or application. This period may be extended anytime prior to its expiration by request of the Director.
- (b) Records of the nature and composition of all injected fluids must be retained until three (3) years after the completion of any plugging and abandonment (P&A) procedures specified under 40 CFR 144.52(a)(6) or under Part 146 Subpart G, as appropriate. The Director may require the Permittee to deliver the records to the Director at the conclusion of the retention period. The Permittee shall continue to retain the records after the three (3) year retention period unless the Permittee delivers the records to the Director or obtains written approval from the Director to discard the records.
- (c) The Permittee shall retain records at the location designated in APPENDIX D.

4. Annual Reports.

Whether the well is operating or not, the Permittee shall submit an Annual Report to the Director that summarizes the results of the monitoring required by Part II Section D and APPENDIX D. The report of fluids injected during the year must identify each new fluid source by well name and location, and the field name or facility name.

The first Annual Report shall cover the period from the effective date of the Permit through December 31 of that year. Subsequent Annual Reports shall cover the period from January 1 through December 31 of the reporting year. Annual Reports shall be submitted by February 15 of the year following data collection. EPA Form 7520-11 may be copied and shall be used to submit the Annual Report, however, the monitoring requirements specified in this Permit are mandatory even if EPA Form 7520-11 indicates otherwise.

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Section E. PLUGGING AND ABANDONMENT

1. Notification of Well Abandonment, Conversion or Closure.

The Permittee shall notify the Director in writing at least forty-five (45) days prior to: 1) plugging and abandoning an injection well, 2) converting to a non-injection well, and 3) in the case of an Area Permit, before closure of the project.

2. Well Plugging Requirements

Prior to abandonment, the injection well shall be plugged with cement in a manner which prevents the movement of fluids into or between underground sources of drinking water. Prior to placement of the cement plug(s) the well shall be in a state of static equilibrium with the mud weight equalized top to bottom, either by circulating the mud in the well at least once or by a comparable method prescribed by the Director. The well shall be plugged in accordance with the approved plugging and abandonment plan and with 40 CFR 146.10.

3. Approved Plugging and Abandonment Plan.

The approved plugging and abandonment plan is incorporated into this Permit as APPENDIX E. Changes to the approved plugging and abandonment plan must be approved by the Director prior to beginning plugging operations. The Director also may require revision of the approved plugging and abandonment plan at any time prior to plugging the well.

4. Forty Five (45) Day Notice of Plugging and Abandonment.

The Permittee shall notify the Director at least forty-five (45) days prior to plugging and abandoning a well and provide notice of any anticipated change to the approved plugging and abanonment plan. .

5. Plugging and Abandonment Report.

Within sixty (60) days after plugging a well, the Permittee shall submit a report (EPA Form 7520-13) to the Director. The plugging report shall be certified as accurate by the person who performed the plugging operation. Such report shall consist of either:

- (a) A statement that the well was plugged in accordance with the approved plugging and abandonment plan; or
- (b) Where actual plugging differed from the approved plugging and abandonment plan, an updated version of the plan, on the form supplied by the Director, specifying the differences.

6. Inactive Wells.

After any period of two years during which there is no injection the Permittee shall plug and abandon the well in accordance with Part II Section E Paragraph 2 of this Permit unless the Permittee:

(a) Provides written notice to the Director;

- (b) Describes the actions or procedures the Permittee will take to ensure that the well will not endanger USDWs during the period of inactivity. These actions and procedures shall include compliance with mechanical integrity demonstration, Financial Responsibility and all other permit requirements designed to protect USDWs; and
- (c) Receives written notice by the Director temporarily waiving plugging and abandonment requirements.

PART III. CONDITIONS APPLICABLE TO ALL PERMITS

Section A. EFFECT OF PERMIT

The Permittee is allowed to engage in underground injection in accordance with the conditions of this Permit. The Permittee shall not construct, operate, maintain, convert, plug, abandon, or conduct any other activity in a manner that allows the movement of fluid containing any contaminant into underground sources of drinking water, if the presence of that contaminant may cause a violation of any primary drinking water regulation under 40 CFR 142 or may otherwise adversely affect the health of persons. Any underground injection activity not authorized by this Permit or by rule is prohibited. Issuance of this Permit does not convey property rights of any sort or any exclusive privilege; nor does it authorize any injury to persons or property, any invasion of other private rights, or any infringement of State or local law or regulations. Compliance with the terms of this Permit does not constitute a defense to any enforcement action brought under the provisions of Section 1431 of the Safe Drinking Water Act (SDWA) or any other law governing protection of public health or the environment, for any imminent and substantial endangerment to human health or the environment, nor does it serve as a shield to the Permittee's independent obligation to comply with all UIC regulations. Nothing in this Permit relieves the Permittee of any duties under applicable regulations.

Section B. CHANGES TO PERMIT CONDITIONS

1. Modification, Reissuance, or Termination.

The Director may, for cause or upon a request from the Permittee, modify, revoke and reissue, or terminate this Permit in accordance with 40 CFR 124.5, 144.12, 144.39, and 144.40. Also, this Permit is subject to minor modification for causes as specified in 40 CFR 144.41. The filing of a request for modification, revocation and reissuance, termination, or the notification of planned changes or anticipated noncompliance on the part of the Permittee does not stay the applicability or enforceability of any condition of this Permit.

2. Conversions.

The Director may, for cause or upon a written request from the Permittee, allow conversion of the well from a Class II injection well to a non-Class II well. Conversion may not proceed until the Permittee receives written approval from the Director. Conditions of such conversion may include but are not limited to, approval of the proposed well rework, follow up demonstration of mechanical integrity, well-specific monitoring and reporting following the conversion, and demonstration of practical use of the converted configuration.

3. Transfer of Permit.

Under 40 CFR 144.38, this Permit is transferable provided the current Permittee notifies the Director at least thirty (30) days in advance of the proposed transfer date (EPA Form 7520-7) and provides a written agreement between the existing and new Permittees containing a specific date for transfer of Permit responsibility, coverage and liability between them. The notice shall adequately demonstrate that the financial responsibility requirements of 40 CFR 144.52(a)(7) will be met by the new Permittee. The Director may require modification or revocation and reissuance of the Permit to change the name of the Permittee and incorporate such other requirements as may be necessary under the Safe Drinking Water Act; in some cases, modification or revocation and reissuance is mandatory.

4. Permittee Change of Address.

Upon the Permittee's change of address, or whenever the operator changes the address where monitoring records are kept, the Permittee must provide written notice to the Director within 30 days.

5. Construction Changes, Workovers, Logging and Testing Data

The Permittee shall give advance notice to the Director, and shall obtain the Director's written approval prior to any physical alterations or additions to the permitted facility. Alterations or workovers shall meet all conditions as set forth in this permit. The Permittee shall record any changes to the well construction on a Well Rework Record (EPA Form 7520-12), and shall provide this and any other record of well workovers, logging, or test data to EPA within sixty (60) days of completion of the activity.

Following the completion of any well workovers or alterations which affect the casing, tubing, or packer, a successful demonstration of mechanical integrity (Part III, Section F of this permit) shall be made, and written authorization from the Director received, prior to resuming injection activities.

Section C. SEVERABILITY

The Provisions of this Permit are severable, and if any provision of this Permit or the application of any provision of this Permit to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of this Permit shall not be affected thereby.

Section D. CONFIDENTIALITY

In accordance with 40 CFR Part 2 and 40 CFR 144.5, information submitted to EPA pursuant to this Permit may be claimed as confidential by the submitter. Any such claim must be asserted at the time of submission by stamping the words "confidential business information" on each page containing such information. If no claim is made at the time of submission, EPA may make the information available to the public without further notice. If a claim is asserted, the validity of the claim will be assessed in accordance with the procedures in 40 CFR Part 2 (Public Information). Claims of confidentiality for the following information will be denied:

- The name and address of the Permittee, and
- information which deals with the existence, absence or level of contaminants in drinking water.

Section E. GENERAL PERMIT REQUIREMENTS

1. Duty to Comply.

The Permittee must comply with all conditions of this Permit. Any noncompliance constitutes a violation of the Safe Drinking Water Act (SDWA) and is grounds for enforcement action; for Permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application; except that the Permittee need not comply with the provisions of this Permit to the extent and for the duration such noncompliance is authorized in an emergency permit under 40 CFR 144.34. All violations of the SDWA may subject the Permittee to penalties and/or criminal prosecution as specified in Section 1423 of the SDWA.

2. Duty to Reapply.

If the Permittee wishes to continue an activity regulated by this Permit after the expiration date of this Permit, under 40 CFR 144.37 the Permittee must apply for a new permit prior to the expiration date.

3. Need to Halt or Reduce Activity Not a Defense.

It shall not be a defense for a Permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this Permit.

4. Duty to Mitigate.

The Permittee shall take all reasonable steps to minimize or correct any adverse impact on the environment resulting from noncompliance with this Permit.

5. Proper Operation and Maintenance.

The Permittee shall at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the Permittee to achieve compliance with the conditions of this Permit. Proper operation and maintenance includes effective performance, adequate funding, adequate operator staffing and training, and adequate laboratory and process controls, including appropriate quality assurance procedures. This provision requires the operation of back-up or auxiliary facilities or similar systems only when necessary to achieve compliance with the conditions of this Permit.

6. Permit Actions.

This Permit may be modified, revoked and reissued or teminated for cause. The filing of a request by the Permittee for a permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance, does not stay any permit condition.

7. Property Rights.

This Permit does not convey any property rights of any sort, or any exclusive privilege.

8. Duty to Provide Information.

The Permittee shall furnish to the Director, within a time specified, any information which the Director may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. The Permittee shall also furnish to the Director, upon request, copies of records required to be kept by this Permit. The Permittee is required to submit any information required by this Permit or by the Director to the mailing address designated in writing by the Director.

9. Inspection and Entry.

The Permittee shall allow the Director, or an authorized representative, upon the presentation of credentials and other documents as may be required by law, to:

 (a) Enter upon the Permittee's premises where a regulated facility or activity is located or conducted, or where records must be kept under the conditions of this Permit;

- (b) Have access to and copy, at reasonable times, any records that must be kept under the conditions of this Permit;
- (c) Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this Permit; and,
- (d) Sample or monitor at reasonable times, for the purpose of assuring permit compliance or as otherwise authorized by the SDWA, any substances or parameters at any location.

10. Signatory Requirements.

All applications, reports or other information submitted to the Director shall be signed and certified according to 40 CFR 144.32. This section explains the requirements for persons duly authorized to sign documents, and provides wording for required certification.

11. Reporting Requirements.

- (a) Planned changes. The Permittee shall give notice to the Director as soon as possible of any planned changes, physical alterations or additions to the permitted facility, and prior to commencing such changes.
- (b) Anticipated noncompliance. The Permittee shall give advance notice to the Director of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements.
- (c) Monitoring Reports. Monitoring results shall be reported at the intervals specified in this Permit.
- (d) Compliance schedules. Reports of compliance or noncompliance with, or any progress reports on, interim and final requirements contained in any compliance schedule of this Permit shall be submitted no later than 30 days following each schedule date.
- (e) Twenty-four hour reporting. The Permittee shall report to the Director any noncompliance which may endanger human health or the environment, including:

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- (i) Any monitoring or other information which indicates that any contaminant may cause endangerment to a USDW; or
- (ii) Any noncompliance with a permit condition or malfunction of the injection system which may cause fluid migration into or between USDWs.

Information shall be provided, either directly or by leaving a message, within twenty-four (24) hours from the time the permittee becomes aware of the circumstances by telephoning (800) 227-8917 and requesting EPA Region VIII UIC Program Compliance and Technical Enforcement Director, or by contacting the EPA Region VIII Emergency Operations Center at (303) 293-1788.

In addition, a follow up written report shall be provided to the Director within five (5) days of the time the Permittee becomes aware of the circumstances. The written submission shall contain a description of the noncompliance and its cause, the period of noncompliance including exact dates and times, and if the noncompliance has not been corrected the anticipated time it is expected to continue; and the steps taken or planned to reduce, eliminate, and prevent recurrence of the noncompliance.

- (f) Oil Spill and Chemical Release Reporting: The Permittee shall comply with all reporting requirements related to the occurence of oil spills and chemical releases by contacting the National Response Center (NRC) at (800) 424-8802, (202) 267-2675, or through the NRC website http://www.nrc.uscg.mil/index.htm.
- (g) Other Noncompliance. The Permittee shall report all instances of noncompliance not reported under paragraphs Part III, Section E Paragraph 11(b) or Section E, Paragraph 11(e) at the time the monitoring reports are submitted. The reports shall contain the information listed in Paragraph 11(e) of this Section.
- (h) Other information. Where the Permittee becomes aware that it failed to submit any relevant facts in the permit application, or submitted incorrect information in a permit application or in any report to the Director, the Permittee shall promptly submit such facts or information to the Director.

Section F. FINANCIAL RESPONSIBILITY

1. Method of Providing Financial Responsibility.

The Permittee shall maintain continuous compliance with the requirement to maintain financial responsibility and resources to close, plug, and abandon the underground injection well(s). No substitution of a demonstration of financial responsibility shall become effective until the Permittee receives written notification from the Director that the alternative demonstration of financial responsibility is acceptable. The Director may, on a periodic basis, require the holder of a permit to revise the estimate of the resources needed to plug and abandon the well to reflect changes in such costs and may require the Permittee to provide a revised demonstration of financial responsibility.

2. Insolvency.

In the event of:

- (a) the bankruptcy of the trustee or issuing institution of the financial mechanism; or
- (b) suspension or revocation of the authority of the trustee institution to act as trustee; or

(c) the institution issuing the financial mechanism losing its authority to issue such an instrument

the Permittee must notify the Director in writing, within ten (10) business days, and the Permittee must establish other financial assurance or liability coverage acceptable to the Director within sixty (60) days after any event specified in (a), (b), or (c) above.

The Permittee must also notify the Director by certified mail of the commencement of voluntary or involuntary proceedings under Title 11 (Bankruptcy), U.S. Code naming the owner or operator as debtor, within ten (10) business days after the commencement of the proceeding. A guarantor, if named as debtor of a corporate guarantee, must make such a notification as required under the terms of the guarantee.

APPENDIX A

WELL CONSTRUCTION REQUIREMENTS

FORMATION DATA:

- * Base of USDWs: Green River Formation at 3188'
- * Confining Zones: Green River Formation interval 3757'-3945'
 Wasatch Formation interval 4100'-4418'
- * Permitted Injection Zone: Green River Formation interval 3945'-4100'
- * Original Authorized Injection perforations: 3945'-4100'

CURRENT WELL CONSTRUCTION:

- * 13-3/8" conductor casing in 17-1/2" hole to 195' with 250 sx cement
- * 9-5/8" surface casing in 12-1/4" hole to 2762' with 1200 sx cement
- * 5-1/2" longstring casing in 7-7/8" hole to 8400' with 1000 sx cement
- * Perforations: Mesaverde from 6939' 7383'
- * Well PBTD at 8612'
- * Well TD at 8670'

CONVERSION PROCEDURE:

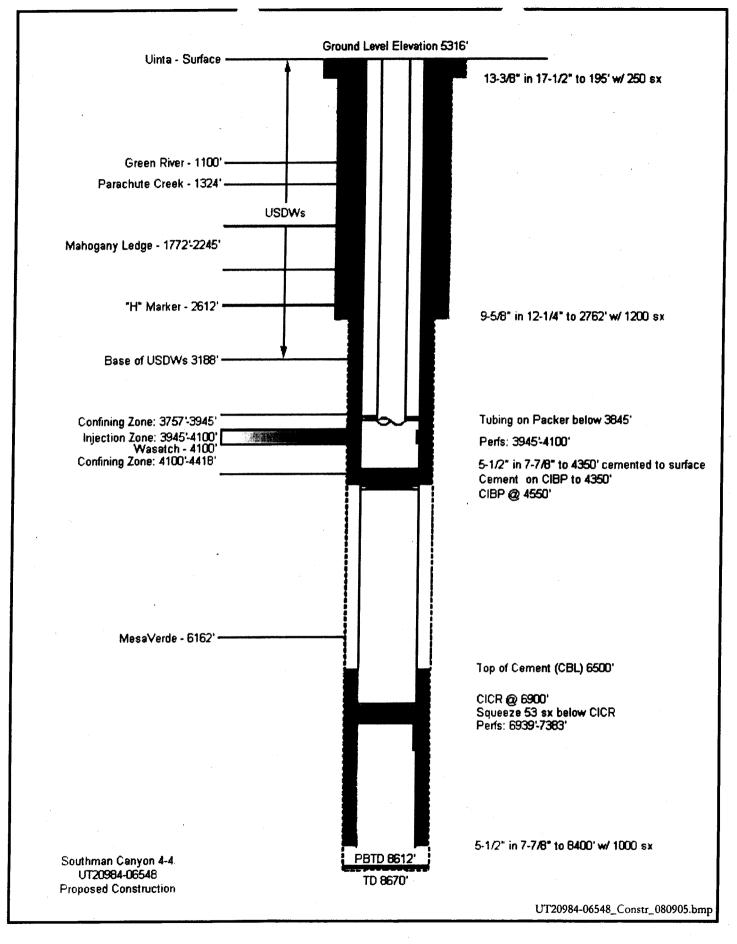
- * Set CICR at approx. 6900' and squeeze Mesaverde perfs with 53 sx cement
- * Set CIBP at approx. 4550'
- * Free-point, cut and pull 5-1/2"casing at approx. 4500"
- * Spot cement inside 5-1/2" casing stub from approx 4550'-4500'
- * Spot cement inside the open-hole from approx 4500'-4350' (tag and confirm plug depth)
- * Run new 5-1/2" casing from surface to approx 4350' and cement to surface
- * Clean out to PBTD of 4300'
- * Run CBL from PBTD to surface (see Groundwater Section Guidance No. 34)
- * Pressure test inside 5-1/2" casing
- * Perforate 5-1/2" casing in the Green River interval 3945'-4100'
- * Flow back the well to clean up.
- * Obtain a clean sample of fluid for water quality analysis from the Green River interval 3945'-4100'
- * Obtain a pore pressure for the Green River interval 3945'-4100'
- * Step Rate Test (SRT) the Green River interval 3945'-4100' (see January 12, 1999 SRT procedure)

WELLHEAD EQUIPMENT:

- * Sampling tap located to enable sampling fluid in the injection tubing
- * Sampling tap located to enable sampling fluid in the 2-7/8" x 5-1/2" annulus
- * Pressure gauge isolated by 1/2" FIP shut-off valve or quick-connect and located to

enable reading the pressure on the injection tubing

- * Pressure gauge isolated by 1/2" FIP shut-off valve or quick-connect and located to enable reading the pressure on the 2-7/8" x 4-1/2" annulus
- * Pressure actuated shut-off device located on the injection line, and set to prevent injection operations from exceeding the maximum allowable injection pressure
- * Non-resettable cumulative volume recorder located on the injection line



APPENDIX B

LOGGING AND TESTING REQUIREMENTS

Logs.

Logs will be conducted according to current UIC guidance. It is the responsibility of the permittee to obtain and use guidance prior to conducting any well logging required as a condition of this permit.

| VELL NAME: Southman Canyon 4- | -4 |
|-------------------------------|--|
| TYPE OF LOG | DATE DUE |
| RATS | Will be required only if the CBL does not show a continuous 18 feet of greater than 80% bond through the upper confining zone (3757'-3945') |
| CBL/VDL/GAMMA RAY | Prior to beginning injection - This log must show a continuous 18 feet of greater than 80% bond through the upper confining zone (3757'-3945') |

Tests

Tests will be conducted according to current UIC guidance. It is the responsibility of the permittee to obtain and use guidance prior to conducting any well test required as a condition of this permit.

| TYPE OF TEST | DATE DUE |
|-----------------------------|--|
| Step Rate Test | Prior to receiveing authorization to begin disposal operations |
| Standard Annulus Pressure | Prior to receiveing authorization to begin disposal operations and at least once every five (5) years after the last successful demonstration of Part I Mechanica Integrity. |
| Pore Pressure | Prior to receiveing authorization to begin disposal operations |
| Injection Zone Water Sample | Prior to receiveing authorization to begin disposal operations |

APPENDIX C

OPERATING REQUIREMENTS

MAXIMUM ALLOWABLE INJECTION PRESSURE:

Maximum Allowable Injection Pressure (MAIP) as measured at the surface shall not exceed the pressure(s) listed below.

| | MAXIMUM ALLOWED INJECTION PRESSURE (psi) |
|---------------------|--|
| WELL NAME | ZONE 1 (Upper) |
| Southman Canyon 4-4 | 1,120 |

INJECTION INTERVAL(S):

Injection is permitted only within the approved injection interval listed below. Injection perforations may be altered provided they remain within the approved injection interval and the Permittee provides notice to the Director in accordance with Part II, Section A, Paragraph 6. Specific injection perforations can be found in Appendix A.

| LL NAME: Southman Canyon 4-4 | | |
|------------------------------|--------------------------------------|-------------------|
| | APPROVED INJECTION INTERVAL (GL, ft) | FRACTURE GRADIENT |
| FORMATION NAME | TOP BOTTOM | (psi/ft) |
| Green River | 3,945.00 - 4,100.00 | 0.733 |

ANNULUS PRESSURE:

The annulus pressure shall be maintained at zero (0) psi as measured at the wellhead. If this pressure cannot be maintained, the Permittee shall follow the procedures listed under Part II, Section C. 6. of this permit.

MAXIMUM INJECTION VOLUME:

There is no limitation on the number of barrels per day (bbls/day) of water that shall be injected into this well, provided further that in no case shall injection pressure exceed that limit shown in Appendix C.

APPENDIX D

MONITORING AND REPORTING PARAMETERS

This is a listing of the parameters required to be observed, recorded, and reported. Refer to the permit Part II, Section D, for detailed requirements for observing, recording, and reporting these parameters.

| OBSERVE | WEEKLY AND RECORD A PLEASTIONCE EVERY CHIRANIDAYS |
|----------------|---|
| | Injection pressure (psig) |
| OBSERVE AND | Annulus pressure(s) (psig) |
| RECORD | Injection rate (bbl/day) |
| | Fluid volume injected since the well began injecting (bbls) |

| | ANNUALLY COLORS |
|---------|--|
| ANALYZE | Injected fluid total dissolved solids (mg/l) |
| | Injected fluid specific gravity |
| | Injected fluid specific conductivity |
| | Injected fluid pH |

| th's maximum and averaged injection pressures (psig) |
|--|
| ilit 5 maximum and averaged injection pressures (psig) |
| th's maximum and averaged annulus pressure(s) (psig) |
| th's averaged injection rate (bbl/day) |
| me injected since the well began injecting (bbl) |
| sults of annual injected fluid analysis |
| f all fluids injected during the year |
| |

Records of all monitoring activities must be retained and made available for inspection at the following location:

Westport Oil and Gas Company, L.P. 1368 South 1200 East Vernal, UT 84078

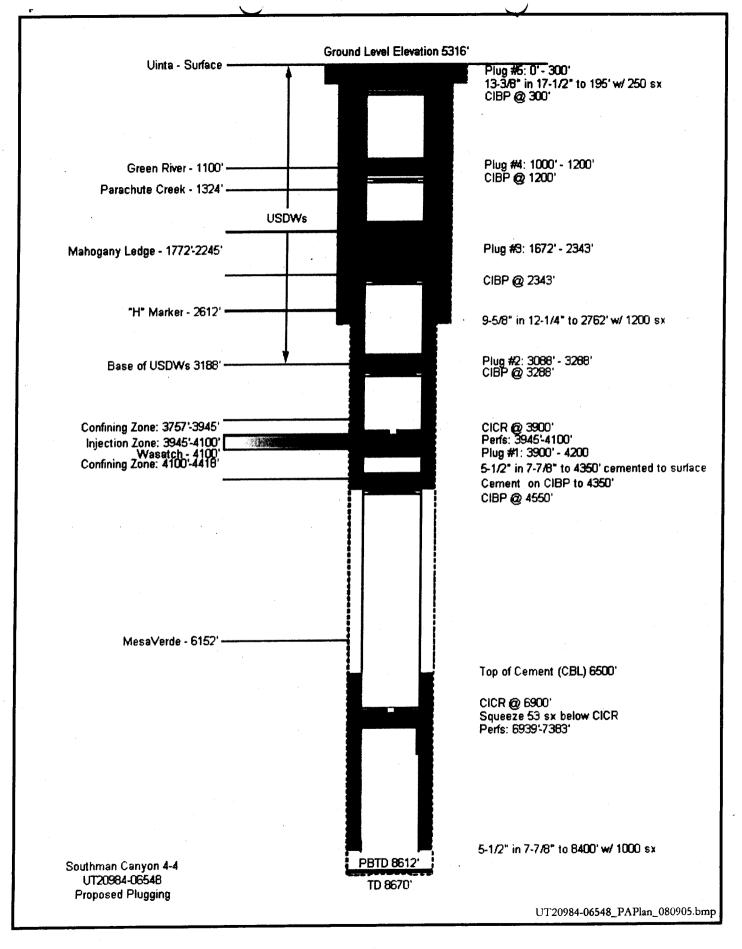
APPENDIX E

PLUGGING AND ABANDONMENT REQUIREMENTS

Perform Mechanical Integrity Test
Pull tubing and packer
Repair any casing leaks
Set CICR inside 5-1/2" casing at 3900'
Squeeze perforations below CICR with 26 cu.ft cement to isolate injection zone
Circulate well with 10 ppg brine
Set CIBP inside 5-1/2" casing at 3288'
Place cement plug inside 5-1/2" casing from 3288'-3088' to isolate base of USDWs
Set CIBP inside 5-1/2" casing at 2343'
Place cement plug inside 5-1/2" casing from 2343'-1672' to isolate the Mahogany
Ledge Oil Shale
Set CIBP inside 5-1/2" casing at 1200'
Place cement plug inside 5-1/2" casing from 1200'-1000'
Set CIBP inside 5-1/2" casing at 300'

Place cement plug inside 5-1/2" casing from 300'-Surface

FINAL PERMI



APPENDIX F

CORRECTIVE ACTION REQUIREMENTS

No corrective action is deemed necessary for this project.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 8
999 18th STREET - SUITE 300
DENVER, CO 80202-2466
http://www.epa.gov/region08

NOV - 3 2005

43.047.30632 T-105 R-23E Sec. 4

Ref: 8P-W-GW

<u>CERTIFIED MAIL</u> RETURN RECEIPT REQUESTED

Carroll Estes Westport Oil and Gas Co., LP 1368 South 1200 East Vernal, UT 84078 Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY

Re: Underground Injection Control Program
Permit for the Southman Canyon 4-4 Well
Uintah County, UT
EPA Permit No. UT20984-06548

Dear Mr. Estes:

Enclosed is your copy of the FINAL Underground Injection Control (UIC) Permit for the proposed Southman Canyon 4-4 injection well. A Statement of Basis, which discusses development of the conditions and requirements of the Permit, also is included.

The Public Comment period ended on OCT - 7 2005. There were no comments on the Draft Permit received during the Public Notice period, and therefore the Final Permit becomes effective on the date of issuance. All conditions set forth herein refer to Title 40 Parts 124, 144, 146, and 147 of the Code of Federal Regulations (CFR) and are regulations that are in effect on the date that this Permit becomes effective.

Please note that under the terms of the Final Permit, you are authorized only to construct the proposed injection well, and must fulfill the "Prior to Commencing Injection" requirements of the Permit, Part II Section C Subpart 1 and obtain written Authorization to Inject prior to commencing injection. It is your responsibility to be familiar with and to comply with all provisions of the Final Permit.

The Permit and the authorization to inject are issued for the operating life of the well unless terminated (Part III, Section B). The EPA will review this Permit at least every five (5) years to determine whether action under 40 CFR § 144.36(a) is warranted.

RECEIVED

NOV 0 9 2005

DIV. OF OIL, GAS & MINING



If you have any questions on the enclosed Final Permit or Statement of Basis, please call Chuck Tinsley of my staff at (303) 312-6266, or toll-free at (800) 227-8917, ext. 6266.

Sincerely,

Accepted by In

o noisivid nam

Stephen S. Tuber

Assistant Regional Administrator
OGROUM ASSISTANT Regional Administrator
OGROUM ASSISTANT REGIONAL ADMINISTRATOR

enclosure:

Final UIC Permit

Statement of Basis

Form 7520-7 Application to Transfer Permit

Form 7520-11 Monitoring Report Form 7520-14 Plugging Plan

Form 7520-12 Well Rework Record Groundwater Section Guidance 34 Groundwater Section Guidance 35 Groundwater Section Guidance 37 Groundwater Section Guidance 39

Step Rate Test Procedure January 14, 1999

cc:

Ms. Maxine Natchees, Uintah and Ouray Business Committee

Ms. Elaine Willie, Ute Indian Tribe

Mr. Chester Mills, Bureau of Indian Affairs, U&O Agency

Mr. Gil Hunt, State of Utah, DOGM

Mr. Kirk Fleetwood, Bureau of Land Management



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY REGION 8

999 18TH STREET- SUITE 200 DENVER, CO 80202-2466 Phone 800-227-8917 http://www.epa.gov/region08

NOV 27 2006

Ref: 8P-W-GW

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY

Mr. Carroll Estes Anadarko Petroleum 1368 South 1200 East Vernal, UT 84078

43.047.30632 105 23E 4

Re: Un

Underground Injection Control (UIC)

Expired UIC Permit Southman Canyon 4-4

EPA Permit No. UT20984-06548

Uintah County, Utah

Dear Mr. Estes:

As of November 3, 2006, the Environmental Protection Agency (EPA) Underground Injection Control (UIC) permit for this well has expired under its own terms and is no longer in force and effect. This UIC permit was issued and became effective on November 3, 2005 with the provision that the well be converted for injection within one year. Failure to convert the well to injection status within this timeframe is the cause for this permit expiration.

Any future use of this well as an injection well will require a newly-issued UIC permit or, as applicable, authorization under an existing area permit, as allowed for in Title 40 of the Code of Federal Regulations (40 C.F.R.), Part 144. Any injection into this well without such permitting authorization will be considered unlawful.

Failure to comply with the UIC regulations found at 40 C.F.R. Parts 144 through 148 are violations of the Safe Drinking Water Act, 42 U.S.C. §300h. Such non-compliance may subject you to formal enforcement by EPA, as codified at 40 C.F.R. Part 22.

The Bureau of Land Management (BLM) office in Vernal, UT, will now assume regulatory responsibility for the operation of the well, and the financial responsibility for the operation and eventual plugging of this well is now covered by Anadarko's current bond with the BLM.

NOV 3 0 2006

DIV. OF OIL, GAS & MINING

At your request, we will begin the process of releasing the bond you provided to EPA for the operation of this well under the terms of the UIC permit. Please send this request to:

Mr. Chuck Tinsley
Mail Code: 8P-W-GW
US EPA Region VIII
999 18th Street, Suite 200
Denver, CO 80202-2466

If you have any questions regarding this letter, you may contact Mr. Tinsley at (303) 312-6266.

Sincerely,

Det 18 Hon

for Steve Tuber

Assistant Regional Administrator
Office of Partnerships and Regulatory
Assistance

cc: Mr. Gil Hunt, Director, Utah Division of Oil, Gas, and Mining Mr. Michael Lee, Bureau of Land Management Vernal Office Maxine Natchees, Acting Chairperson, Uintah & Ouray Business Committee Shaun Chapoose, Director, Land Use Department, Ute Indian Tribe Ronald Groves, Councilman, Uintah & Ouray Business Committee Irene Cuch, Councilwoman, Uintah & Ouray Business Committee Richard Jenks, Jr., Councilman, Uintah & Ouray Business Committee Smiley Arrowchis, Councilman, Uintah & Ouray Business Committee Francis Poowegup, Councilman, Uintah & Ouray Business Committee

Form 3160-5 (August 1999)

UNITED STATES DEPARTMENT OF THE INTERIOR

FORM APPROVED OMB No. 1004-0135 Expires Jnovember 30, 2000

BUREAU OF LAND MANAGEMENT 5. Lease Serial No.

SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill or reenter an

UTU-33433 6. If Indian, Allottee or Tribe Name

| abandoned well. | Use Form 3160-3 (API | D) for such proposal | ls. | | |
|--|--|---|---|---|---|
| SUBMIT IN TRIPL | ICATE – Other instr | uctions on revers | e side | 7. If Unit or 0 | CA/Agreement, Name and/or No. |
| 1. Type of Well Oil Well Sas Well 2. Name of Operator | Other | | | 8. Well Name | e and No. IAN CANYON 4-4 |
| KERR-McGEE OIL & GAS | ONSHORE LP | | | 9. API Well I | No. |
| 3a. Address | | 3b. Phone No. (inclu | de area code) | 430473063 | 32 |
| 1368 SOUTH 1200 EAST \ | /FRNAL LIT 84078 | (435) 781-7024 | • | | Pool, or Exploratory Area |
| 4. Location of Well (Footage, Sec., | | | | BONANZA | · |
| | ,,, ₄ - | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | | 11. County or | |
| NWSE SEC. 4, T10S, R23E | : 1613'FSL, 1329'FEL | | | | OUNTY, UTAH |
| 12. CHECK APP | PROPRIATE BOX(ES) TO | INDICATE NATURE | OF NOTICE, F | REPORT, OR C | OTHER DATA |
| TYPE OF SUBMISSION | T | TY | PE OF ACTION | V | |
| Notice of Intent Subsequent Report Final Abandonment Notice 13. Describe Proposed or Completed Ope | Acidize Alter Casing Casing Repair Change Plans Convert to Injection | Deepen Fracture Treat New Construction Plug and Abandon Plug Back | Reclamation Recomplet Temporari Water Dis | te ly Abandon posal | Water Shut-Off Well Integrity Other |
| If the proposed of completed Ope If the proposal is to deepen directions Attach the Bond under which the wo following completion of the involved testing has been completed. Final A determined that the site is ready for fir | ally or recomplete horizontally, in the will be performed or provide operations. If the operation res bandonment Notices shall be fil | give subsurface locations an e the Bond No. on file with sults in a multiple completion | d measured and the BLM/BIA. Requi n or recompletion | ue vertical depths ired subsequent re- in a new interval, | of all pertinent markers and zones. ports shall be filed within 30 days a Form 3160-4 shall be filed once |
| THE OPERATOR REQUES | TS AUTHORIZATION | TO PLUG AND AB | SANDON THE | E SUBJECT | WELL LOCATION. |
| THE SUBJECT WELL LOCA | ATION WAS GOING T | O BE CONVERTE | D INTO A SA | LT WATER | DISPOSAL WELL |
| THE OPERATOR HAS DEC | IDED TO PLUG AND | ABANDON THE W | ELL LOCAT | ION. | |
| | | | | | 1.00 |
| PLEASE REFER TO THE A | TTACHED PLUG AND | O ABANDON PROC | CEDURE. | COI Date Initio | |
| 14. I hereby certify that the foregoin | g is true and correct | | | | |
| Name (Printed/Typed) | | Title | A DAMAL OD | CLALICT | |
| CHEIL V LIDCHEGA- | | ISENIORIAND | ADMIN SPE | -CIALIST | |

Date November 30, 2006 Utah Division of Federal Approval Of This THIS SPACE FOR FEDERAL Office Oil, Gas and Miningto Action Is Necessary Approved by Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon. CENTED cy of the United States any Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to false, fictitious or fraudulent statements or representations as to any matter with the jurisdiction.

DEC 0 6 2006

SOUTHMAN CANYON 4-4 1613' FSL & 1329' FEL NWSE - Sec. 4 - T10S - R23E Uintah County, UT

KBE:

5330'

API NUMBER:

43-047-30632

GLE:

5316'

LEASE NUMBER:

UTU-33433

TD:

8670'

WI: NRI: 100% 75%

PBTD:

~8362' (FC)

ORRI:

0%

UNIT/CA #:

CASING:

17.5" hole

13.625" 48# H-40 @ 195'.

Cemented with 250 sx. Class B, circulated 2 BC to surface. TOC @ surface by circulation.

12.25" hole

9.625" 36# K-55 @ 2768'

Cemented with 1000 sx. 50-50 Pozmix lead (1270 cuft) and 100 sx. Class G tail (115 cuft). Used ~160% of volume required for fill to surface. Circulated cement to surface, TOC @ surface by circulation. Note - Daily report for 4/17/1980 states that a CBL was run for the intermediate casing string, but provides no detail on the logging company used or the results. No copies of this CBL survive.

7.875" hole

5.5" 17# N-80 (0-1969') & 20# K-55 (1969-8406'). Cemented with 900 sx. Class G. TOC @ 6000' by CBL.

TUBING:

2.375" 4.7# J-55 landed at 7183'.

| Tubular | Drift | Collapse | Burst | Capacities | | |
|-------------------------------|--------|----------|--------|------------|----------|----------|
| | inches | psi | Psi | Gal./ft. | Cuft/ft. | Bbl./ft. |
| 2.375" 4.7# J-55 tbg. | 1.901 | 8100 | 7700 | 0.1626 | 0.02173 | 0.00387 |
| 5.5" 17# N-80 csg. | 4.767 | 6280 | 7740 | 0.9764 | 0.1305 | 0.02324 |
| 5.5" 20# K-55 csg. | 4.653 | 6610 | 6310 | 0.9324 | 0.1245 | 0.0222 |
| 9.625" 36# K-55 csg | 8.765 | 2020 | 3520 | 3.2470 | 0.4340 | 0.0773 |
| 7.875" borehole | | | | 2.5302 | 0.3382 | 0.0602 |
| Annular Capacities | | | | | | |
| 2.375" tbg. X 5.5" 17# csg. | | | | 0.7462 | 0.0997 | 0.01776 |
| | | | | 0.0937 | 0.0167 | |
| 5.5" csg. X 9.625" 36# csg. | | | 2.0118 | 0.2691 | 0.0479 | |
| 9.625" csg. X 13.375" 48# csg | | | 2.8182 | 0.3766 | 0.0671 | |
| 5.5" csg. X 7.875" hole | | | 1.2978 | 0.1733 | 0.0309 | |
| 9.625" csg. X 12.25" hole | | | | 2.3436 | 0.3132 | 0.0558 |

GEOLOGIC INFORMATION:

Formation Depth to top, ft.

Green River 1100'

Mahogany Ledge Oil Shale: 1772-2243'

Wasatch 4100'
Mesa Verde 6152'
Sego 8178'
Castlegate 8372'

Tech. Pub. #92 Base of USDW's

USDW Elevation ~2142' MSL

USDW Depth ~3188' KBE

EXISTING PERFORATIONS:

| Formation | Date | Top | Bottom | SPF | Status |
|------------|-----------|----------|--------|-----|--------|
| | | P | | | |
| Mesa Verde | 5/23/1989 | 6939 | | 1 | Open |
| Mesa Verde | 5/23/1989 | 6944 | | 1 | Open |
| Mesa Verde | 5/23/1989 | 6982 | | 1 | Open |
| Mesa Verde | 5/23/1989 | 6986 | | 1 | Open |
| Mesa Verde | 5/23/1989 | 6989 | | 1 | Open |
| Mesa Verde | 5/23/1989 | 7010 | | 1 | Open |
| Mesa Verde | 5/23/1989 | 7054 | | 1 | Open |
| Mesa Verde | 5/23/1989 | 7152 | | 1 | Open |
| Mesa Verde | 5/23/1989 | 7161 | | 1 | Open |
| Mesa Verde | 5/23/1989 | 7279 | | 1 | Open |
| Mesa Verde | 5/23/1989 | 7282 | | 1 | Open |
| Mesa Verde | 5/23/1989 | 7285 | | 1 | Open |
| Mesa Verde | 5/23/1989 | 7290 | | 1 | Open |
| Mesa Verde | 5/23/1989 | 7321 | | 1 | Open |
| Mesa Verde | 5/23/1989 | 7330 | | 1 | Open |
| Mesa Verde | 5/23/1989 | 7333 | | 1 | Open |
| Mesa Verde | 5/23/1989 | 7380 | | 1 | Open |
| Mesa Verde | 5/23/1989 | 7383 | | 1 | Open |

WELL HISTORY:

Completion - May 1989

- TD'd on 5/19/1980, not completed until nine years and several operators later.
- Perforated the gross **Mesa Verde** interval 6939' through 7383', acidized with 4000 gal. 7.5% NEFE using ball sealers, then fractured with 51000 gal. gel containing 90000# 20/40 mesh sand. Landed tubing at 7183'.
- Tested 410 MCFD, 4 BWPD, 1100 psi FTP, 1400 psi SICP, 16/64th choke on 7/20/1989.

There are no records of any other work of any type ever being done on the well.

SOUTHMAN CANYON 4-4 P&A PROCEDURE

GENERAL

- H2S MAY BE PRESENT. CHECK FOR H2S AND TAKE APPROPRIATE PRECAUTIONS.
- CEMENT QUANTITIES BELOW ASSUME NEAT CLASS G, YIELD 1.145 CUFT./SX. IF
 A DIFFERENT PRODUCT IS USED, WELLSITE PERSONNEL ARE RESONSIBLE FOR
 CORRECTING QUANTITIES TO YIELD THE STATED SLURRY VOLUME. WHEN
 SQUEEZING, INCLUDE 10% EXCESS PER 1000' OF DEPTH.
- BRINE WITH A MINIMUM DENSITY OF AT LEAST 9 PPG MUST BE PLACED BETWEEN ALL PLUGS. 10 PPG IS ASSUMED IN THIS PROCEDURE.
- NOTIFY THE BLM AT 435-781-4400 24 HOURS BEFORE MOVING ON LOCATION.

P&A PROCEDURE

- 1. MIRU. KILL WELL AS NEEDED. ND WH, NU AND TEST BOPE.
- 2. TOH WITH TUBING. RU WIRELINE AND MAKE A GAUGE RING RUN TO ~6950'.
- 3. PLUG #1, PERFORATIONS (TOP PERF @ 6939'): SET CIBP AT ~6935' AND SPOT ~50' (~6 SX. OR 6.225 CUFT.) CLASS G CEMENT ON TOP. DISPLACE WELL WITH 10 PPG BRINE.
- 4. PLUG #2, WASATCH TOP (~4100'): PERFORATE ~4200' WITH 4 SPF, SET CICR AT ~4000' AND SQUEEZE A MINIMUM OF ~31 SX OF CLASS G CEMENT BENEATH CICR (~35.3M6 CUFT.). DISPLACE WELL WITH 10 PPG BRINE.
- 5. PLUG #3, BASE OF USDW (~3188'): PERFORATE ~3288' WITH 4 SPF, SET CICR AT ~3088' AND SQUEEZE A MINIMUM OF ~29 SX OF CLASS G CEMENT BENEATH CICR (~32.87 CUFT.). DISPLACE WELL WITH 10 PPG BRINE.
- 6. PLUG #4, 5 ½" CASING STUB & SHOE (~2768'): CUT 5 ½" CASING @ ~2768'. PULL AND LD SAME. SPOT 50' (~14 SX. OR 15.1 CUFT.) CEMENT INSIDE CASING STUB & 5 ½" X 7 7/8" CASING ANNULUS. SPOT 200' (~76 SX OR 86.8 CUFT.) CEMENT ON TOP OF CASING STUB. DISPLACE WELL WITH 10 PPG BRINE.
- 7. PLUG #5, GREEN RIVER TOP (~1100'): RIH & SPOT A BALANCED CEMENT PLUG FROM ~1000' ~1200' USING ~76 SX (86.8 CUFT.) OF CLASS G CEMENT. DISPLACE WELL WITH 10 PPG BRINE.
- 8. PLUG #6, SURFACE: FILL INTERMEDIATE CASING STRING F/ 500' TO SURFACE W/~190 SX (217 CUFT.) CEMENT.
- 9. CUT OFF WELLHEAD AND INSTALL MARKER PER BLM GUIDELINES.
- 10. RDMO. TURN OVER TO OPERATIONS FOR SURFACE REHAB.

ALM - 11/27/2006

WELL: SOUTHMAN CANYON 4-4

EPA PERMIT #: UT20984-06548

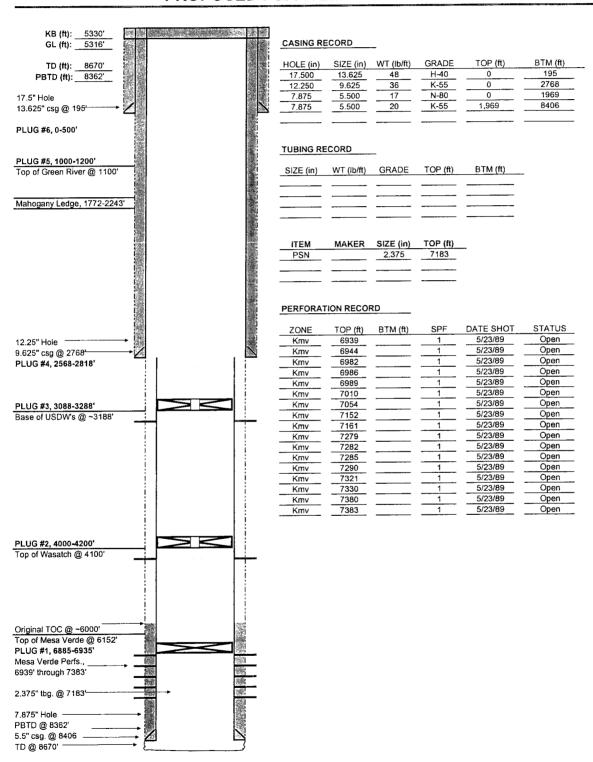
FIELD: BONANZA S API # 43-047-30632

CNTY: UINTAH F STATE: UTAH LO

FT.: 1 LOC. N LEASE: U

1613' FSL & 1329' FEL NWSE-SEC. 4-T10S-R23E UTU-33433

PROPOSED P&A WELLBORE DIAGRAM



Form 3160-5 (August 1999)

UNITED STATES DEPARTMENT OF THE INTERIOR

BUREAU OF LAND MANAGEMENT

5. Lease Serial No.

UTU-33433

SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill or reenter an

6 If Indian Allottee or Tribe Name

FORM APPROVED

OMB No. 1004-0135

Expires Jnovember 30, 2000

| | Use Form 3160-3 (APD) | | o. If main, motice of The Name | | |
|--|--|--|---|--|--|
| SUBMIT IN TRIPLI | 7. If Unit or CA/Agreement, Name and/or No. | | | | |
| 1. Type of Well Oil Well Gas Well 2. Name of Operator | Other | | 8. Well Name and No. SOUTHMAN CANYON 4-4 | | |
| KERR-McGEE OIL & GAS C | NSHORE LP | | 9. API Well No. | | |
| 3a. Address | | 3b. Phone No. (include area code) | 4304730632 | | |
| 1368 SOUTH 1200 EAST V | ERNAL, UT 84078 | (435) 781-7024 | 10. Field and Pool, or Exploratory Area | | |
| 4. Location of Well (Footage, Sec., | T., R., M., or Survey Description | 1) | BONANZA | | |
| NWSE SEC. 4, T10S, R23E | 1613 FSL, 1329 FEL | | 11. County or Parish, State UINTAH COUNTY, UTAH | | |
| 12. CHECK APP | ROPRIATE BOX(ES) TO I | NDICATE NATURE OF NOTICE, I | REPORT, OR OTHER DATA | | |
| TYPE OF SUBMISSION | | TYPE OF ACTIO | N | | |
| ■ Notice of Intent ■ Subsequent Report | Acidize Alter Casing Casing Repair | Deepen Productio Fracture Treat Reclamati | \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ | | |
| | l <u></u> . | | ily Abandon | | |
| Final Abandonment Notice | Convert to Injection | Plug Back Water Dis | sposal | | |
| If the proposal is to deepen directional Attach the Bond under which the work following completion of the involved testing has been completed. Final Attachment that the site is ready for fin | ally or recomplete horizontally, given will be performed or provide the operations. If the operation result bandonment Notices shall be filed at inspection. | re subsurface locations and measured and to be Bond No. on file with BLM/BIA. Requision a multiple completion or recompletion only after all requirements, including rec | any proposed work and approximate duration thereof, rue vertical depths of all pertinent markers and zones, uired subsequent reports shall be filed within 30 days in a new interval, a Form 3160-4 shall be filed once lamation, have been completed, and the operator has | | |
| | | | HE SUBJECT WELL LOCATION. | | |
| | | IDON PROCUEDURE. THE PPERATOR IS NO LONGER! | | | |
| | | LONGER APPLICABLE AS T | | | |
| OF THE PLUG WAS TO PL | | | THE ENTINE FOR OSE | | |
| 0 | | 3 0 1 0 0 . | ? RECEIVED | | |
| PLEASE REFER TO THE A | TTACHED REVISED P | LUG AND ABANDON PROCE | | | |
| | | | DIV. OF OIL, GAS & MINING | | |
| 14. I hereby certify that the foregoing Name (Printed/Typed) SHEILA UPCHEGO | g is true and correct | Title SENIOR LAND ADMIN SP | ECIALIST | | |
| Signature // // // // // // // // // // // // // | 1/11/11 | Date October 22, 2007 | | | |
| THIS SPACE FOR FEDERAL OR STATE USE | | | | | |
| Approved by Conditions of approval, if any, are attached. | | Title Accepted Division | Federal Approval Of This Action Is Necessary | | |
| certify that the applicant holds legal or equivalent would entitle the applicant to conduc | itable title to those rights in the subj | | 19+ L | | |
| Title 18 U.S.C. Section 1001, make false, fictitious or fraudulent stateme | | | epartment of agency of the United States any | | |

SOUTHMAN CANYON 4-4 1613' FSL & 1329' FEL NWSE - Sec. 4 - T10S - R23E

Uintah County, UT

KBE:

5330°

API NUMBER:

43-047-30632

GLE:

5316'

LEASE NUMBER:

UTU-33433

TD:

8670°

WI: NRI: 100%

PBTD:

~8362' (FC)

ORRI:

75%

0%

UNIT/CA#:

CASING:

17.5" hole

13.625" 48# H-40 @ 195'.

Cemented with 250 sx. Class B, circulated 2 BC to surface. TOC @ surface by

circulation.

12.25" hole

9.625" 36# K-55 @ 2768'

Cemented with 1000 sx. 50-50 Pozmix lead (1270 cuft) and 100 sx. Class G tail (115 cuft). Used ~160% of volume required for fill to surface. Circulated cement to surface, TOC @ surface by circulation. Note - Daily report for 4/17/1980 states that a CBL was run for the intermediate casing string, but provides no detail on the logging company used or the results. No copies of this

CBL survive.

7.875" hole

5.5" 17# N-80 (0-1969') & 20# K-55 (1969-8406'). Cemented with 900 sx. Class G. TOC @ 6000' by CBL.

TUBING:

2.375" 4.7# J-55 landed at 7183'.

| Tubular | Drift | Collapse | Burst | Capacities | | |
|-----------------------------|--------|----------|--------|------------|----------|----------|
| | inches | psi | Psi | Gal./ft. | Cuft/ft. | Bbl./ft. |
| 2.375" 4.7# J-55 tbg. | 1.901 | 8100 | 7700 | 0.1626 | 0.02173 | 0.00387 |
| 5.5" 17# N-80 csg. | 4.767 | 6280 | 7740 | 0.9764 | 0.1305 | 0.02324 |
| 5.5" 20# K-55 csg. | 4.653 | 6610 | 6310 | 0.9324 | 0.1245 | 0.0222 |
| 9.625" 36# K-55 csg | 8.765 | 2020 | 3520 | 3.2470 | 0.4340 | 0.0773 |
| 7.875" borehole | | | | 2.5302 | 0.3382 | 0.0602 |
| Annular Capacities | | | | | | |
| 2.375" tbg. X 5.5" 17# csg. | | | | 0.7462 | 0.0997 | 0.01776 |
| 2.375" tbg. X 5.5" 20# csg | | | | 0.7014 | 0.0937 | 0.0167 |
| 5.5" csg. X 9.625" 36# csg. | | 2.0118 | 0.2691 | 0.0479 | | |
| 9.625" csg. X 13.375" 48# c | | 2.8182 | 0.3766 | 0.0671 | | |
| 5.5" csg. X 7.875" hole | | 1.2978 | 0.1733 | 0.0309 | | |
| 9.625" csg. X 12.25" hole | | · | | 2.3436 | 0.3132 | 0.0558 |

GEOLOGIC INFORMATION:

Formation Depth to top, ft.

Green River 1100'

Mahogany Ledge Oil Shale: 1772-2243'

Wasatch 4100'
Mesa Verde 6152'
Sego 8178'
Castlegate 8372'

_

Tech. Pub. #92 Base of USDW's

USDW Elevation ~2142' MSL USDW Depth ~3188' KBE

EXISTING PERFORATIONS:

| Formation | Date | Тор | Bottom | SPF | Status |
|------------|-----------|------|--------|-----|--------|
| | | | | | |
| Mesa Verde | 5/23/1989 | 6939 | | 1 | Open |
| Mesa Verde | 5/23/1989 | 6944 | | 1 | Open |
| Mesa Verde | 5/23/1989 | 6982 | | 1 | Open |
| Mesa Verde | 5/23/1989 | 6986 | | 1 | Open |
| Mesa Verde | 5/23/1989 | 6989 | | 1 | Open |
| Mesa Verde | 5/23/1989 | 7010 | | 1 | Open |
| Mesa Verde | 5/23/1989 | 7054 | | 1 | Open |
| Mesa Verde | 5/23/1989 | 7152 | | 1 | Open |
| Mesa Verde | 5/23/1989 | 7161 | | 1 | Open |
| Mesa Verde | 5/23/1989 | 7279 | | 1 | Open |
| Mesa Verde | 5/23/1989 | 7282 | | 1 | Open |
| Mesa Verde | 5/23/1989 | 7285 | | 1 | Open |
| Mesa Verde | 5/23/1989 | 7290 | | 1 | Open |
| Mesa Verde | 5/23/1989 | 7321 | | 1 | Open |
| Mesa Verde | 5/23/1989 | 7330 | | 1 | Open |
| Mesa Verde | 5/23/1989 | 7333 | | 1 | Open |
| Mesa Verde | 5/23/1989 | 7380 | | 1 | Open |
| Mesa Verde | 5/23/1989 | 7383 | | 1 | Open |

WELL HISTORY:

Completion - May 1989

- TD'd on 5/19/1980, not completed until nine years and several operators later.
- Perforated the gross **Mesa Verde** interval 6939' through 7383', acidized with 4000 gal. 7.5% NEFE using ball sealers, then fractured with 51000 gal. gel containing 90000# 20/40 mesh sand. Landed tubing at 7183'.
- Tested 410 MCFD, 4 BWPD, 1100 psi FTP, 1400 psi SICP, 16/64th choke on 7/20/1989.

There are no records of any other work of any type ever being done on the well.

SOUTHMAN CANYON 4-4 P&A PROCEDURE

GENERAL

- H2S MAY BE PRESENT. CHECK FOR H2S AND TAKE APPROPRIATE PRECAUTIONS.
- CEMENT QUANTITIES BELOW ASSUME NEAT CLASS G, YIELD 1.145 CUFT./SX. IF A DIFFERENT PRODUCT IS USED, WELLSITE PERSONNEL ARE RESONSIBLE FOR CORRECTING QUANTITIES TO YIELD THE STATED SLURRY VOLUME. WHEN SQUEEZING, INCLUDE 10% EXCESS PER 1000' OF DEPTH.
- ALL BRINE USED FOR DISPLACEMENT WILL HAVE 5 GALS CORROSION INHIBITOR PER 100 BBLS WATER. BRINE WITH A MINIMUM DENSITY OF AT LEAST 9 PPG MUST BE PLACED BETWEEN ALL PLUGS. 10 PPG IS ASSUMED IN THIS PROCEDURE.
- NOTIFY THE BLM AT 435-781-4400 24 HOURS BEFORE MOVING ON LOCATION.

P&A PROCEDURE

- 1. MIRU. KILL WELL AS NEEDED. ND WH, NU AND TEST BOPE.
- 2. TOH WITH TUBING. RU WIRELINE AND MAKE A GAUGE RING RUN TO ~6950'.
- 3. PLUG #1, PERFORATIONS (TOP PERF @ 6939'): SET CIBP AT ~6900' AND SPOT ~50' (~6 SX. OR 6.225 CUFT.) CLASS G CEMENT ON TOP. DISPLACE WELL WITH 10 PPG BRINE.
- 4. PLUG #2, MV TOP (~6152'): RIH & SPOT A BALANCED CEMENT PLUG FROM ~6052' ~6252' USING ~60 SX (52.4 CUFT.) OF CLASS G CEMENT. DISPLACE WELL WITH 10 PPG BRINE.
- 5. PLUG #3, WASATCH TOP (~4100'): PERFORATE ~4200' WITH 4 SPF, SET CICR AT ~4000' AND SQUEEZE A MINIMUM OF ~54 SX OF CLASS G CEMENT BENEATH CICR (47.16 CUFT.). SPOT 6 SX CMT ON TOP. DISPLACE WELL WITH 10 PPG BRINE.
- 6. PLUG #4, BASE OF USDW (~3188'): PERFORATE ~3288' WITH 4 SPF, SET CICR AT ~3088' AND SQUEEZE A MINIMUM OF ~54 SX OF CLASS G CEMENT BENEATH CICR (~47.16 CUFT.). SPOT 6 SX CMT ON TOP. DISPLACE WELL WITH 10 PPG BRINE.
- 7. RIH & TAG PLUG #4.
- 8. PLUG #5, GREEN RIVER TOP (~1100'): PERFORATE ~1200' WITH 4 SPF, SET CICR AT ~1000' AND SQUEEZE A MINIMUM OF ~54 SX OF CLASS G CEMENT BENEATH CICR (~47.16 CUFT.). SPOT 6 SX CMT ON TOP. DISPLACE WELL WITH 10 PPG BRINE.
- 9. PLUG #6, SURFACE: PUMP ~175 SX (~199.8 CUFT.) DOWN 5 ½" CSG & CSG ANNULUS. FILL TO SURFACE.
- 10. CUT OFF WELLHEAD AND INSTALL MARKER PER BLM GUIDELINES.
- 11. RDMO. TURN OVER TO OPERATIONS FOR SURFACE REHAB.

ALM - 11/27/2006 REVISED 10/22/07 Form 3 160-5 (August 1999)

UNITED STATES DEPARTMENT OF THE INTERIOR

BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

| FORM APPR | ROVED |
|-----------------|-------------|
| OMB No. 10 | 04-0135 |
| Expires Inovemb | er 30, 2000 |

5. Lease Serial No.

| 1 | ГП | 1-3 | 34 | 2 | 3 |
|----|----|-----|----|---|---|
| J. | iU | ٠. | J4 | v | J |

| j.] | lf Indian, | Allottee | or | Tribe | Name | |
|------|------------|----------|----|-------|------|--|
|------|------------|----------|----|-------|------|--|

| | Use Form 3160-3 (APD) | | | | | 6. If India | in, Alloti | ee or Tribe Name |
|---|--|-------------------------|------------------------------------|-------------------|---------------------------|--|---------------------------------------|---------------------------------------|
| SUBMIT IN TRIPLICATE – Other instructions on reverse side | | | | | | 7. If Unit | or CA/A | greement, Name and/or No. |
| 1. Type of Well Oil Well Gas Well | Other | | | | | 8. Well N | lame and | No. |
| 2. Name of Operator | | | | | | SOUTI | HMAI | N CANYON 4-4 |
| KERR-McGEE OIL & GAS (| DNSHORE LP | | | | | 9. API W | ell No. | |
| 3a. Address | | 3b. Pho | ne No. (includ | de arec | ı code) | 4304730 | 0632 | |
| 1368 SOUTH 1200 EAST V | the state of the s | 1 | 81-7024 | | | 10. Field a | nd Pool, | or Exploratory Area |
| 4. Location of Well (Footage, Sec., | T., R., M., or Survey Description | 1) | · | | | BONAN | | · · · · · · · · · · · · · · · · · · · |
| NWSE SEC. 4, T10S, R23E | 1613'FSL, 1329'FEL | | | | | 11. County UINTAH | | ^{sh, State} NTY, UTAH |
| 12. CHECK APP | ROPRIATE BOX(ES) TO I | NDICAT | E NATURE | OF N | OTICE, R | EPORT, O | R OTH | ER DATA |
| TYPE OF SUBMISSION | | | TY | PË OI | ACTION | 1 | | |
| Notice of Intent | Acidize Alter Casing | Deep | en ure Treat | | Production Reclamation | (Start/Resur | ne) | Water Shut-Off Well Integrity |
| X Subsequent Report | Casing Repair | = | Construction | - | Recomplet | | | Other |
| | - | X Plug | and Abandon | | Temporaril | y Abandon | | |
| Final Abandonment Notice | Convert to Injection | Plug | Back | | Water Disp | oosal | | |
| If the proposal is to deepen directions Attach the Bond under which the wo following completion of the involved testing has been completed. Final A determined that the site is ready for fin | rk will be performed or provide the operations. If the operation result bandonment Notices shall be filed | ne Bond N s in a mul | o. on file with tiple completio | BLM/I on or re | BIA. Requi completion | red subsequer in a new inter | nt reports rval, a Fo | shall be filed within 30 days |
| THE SUBJECT WELL LOCA | ATION WAS PLUG AND |) aban | DON ON | 11/30 | 0/2007. | | | |
| PLEASE REFER TO THE A | TTACHED WELL BORI | E DIAG | RAM AND | PRO | OCEDUF | RE. | F | ECEIVED |
| | | | | | | | | DEC 1 4 2007 |
| | | | | | | | DiV. C | of OIL, gas & Mining |
| 14. I hereby certify that the foregoing | g is true and correct | | | ****** | | ······································ | ; | |
| Name (Printed/Typed) Title | | | | | | | | |
| SHEILA UPCHEGO SENIOR LAND ADMIN SPE | | | | | CIALIST | | · · · · · · · · · · · · · · · · · · · | |
| I MIN U | MUUD | Nove | ember 30, | | | | | |
| = | THIS SPACE | FOR FE | | STATI | E USE | | | |
| Approved by | | | Title | | | Date | | |
| Conditions of approval, if any, are attached certify that the applicant holds legal or equ which would entitle the applicant to conduct | itable title to those rights in the subj t operations thereon. | ect lease | Office | | | | | |
| Title 18 U.S.C. Section 1001, make false, fictitious or fraudulent statement | | | | | | partment or a | agency (| of the United States any |

| WELL NAI | T: ANADARKO ME: SOUTHMAN CANY TURAL BUTTES | YON 4-4 | | SURFACE | CASING | |
|--|--|--|--|---|---|--|
| WELL NAI FIELD: NA COUNTY: STATE: U | ME: SOUTHMAN CANY TURAL BUTTES | YON 4-4 | ······································ | SURFACE | CASING | |
| WELL NAI FIELD: NA COUNTY: STATE: U | ME: SOUTHMAN CANY TURAL BUTTES | YON 4-4 | · · | SURFACE | CASING | ~ . ~ ~ ~ |
| FIELD: NA COUNTY: STATE: U | TURAL BUTTES | YON 4-4 | | | | CASING |
| COUNTY: STATE: U | | 1011 / 1 | SIZE: | 13-3/8" | 9-5/8" | 4-1/2" |
| STATE: U | | | WEIGHT: | 48# | 36# | 17# / 20 |
| | | | GRADE: | H-40 | K-95 | N-80/K- |
| DATE: 11 | and the second s | | THREAD: | 1051 | 07.601 | 10.001/04/ |
| | -30-07 | | DEPTH: | 195' | 2768' | 1969'/840 |
| ITEM | DE | SCRIPTIC | NT . | MAX. O.D. INCHES | INCHES | |
| | PERF 4 SPF AT 500'. CI | | | INCHES | INCHES | FEET |
| 1LUG#0 | SURFACE. PUMP 43 B | | | | | |
| | SURFACE. PUTS 36 BE | | | | | |
| | PLUG. 175 SX. | BLS GOOD | CIVIL TOR BOIL NOL | | | |
| | 1200.175521. | | | | | |
| PLUG #5 | PERF 4 SPF AT 1200'. (| CICR AT 10 | 13', GOOD RETURNS | | | |
| | <u> </u> | | | | | |
| | <u> </u> | | | | | |
| | | | | | | |
| | | | | | | |
| PLUG #4 | PERF 4 SPF AT 3289. C | CICR AT 308 | 3'. UNABLE TO GET | | | |
| | CIRCULATION UP SUI | RFACE CSC | G. PUMP 165 SX CMT | | | |
| | TOTAL. 120 SX BELOV | W CICR (20 | BBLS CMT BEHIND | | | |
| | 5-1/2" CSG) AND 45 SX | X ABOVE C | ICR. TOC INSIDE | | | - |
| | | | | | | |
| PLUG #3 | | | | | | |
| | | V CICR AND | 6 SX ABOVE. | | | |
| | TOC INSIDE 3964' | | | | | <u> </u> |
| DY YIC #0 | DATANGED COMPANY | TO OD 60 017 | | | | |
| PLUG #2 | | JG OF 60 SX | . TOC AT 5/14' AND | | | |
| | BUC A1 6267 | | | | | |
| DI IIC #1 | CTDD SET AT 6002! SD | OT 10 SV C | MT ON TOD | | | |
| TLUG#I | | 01 10 37 C | MIT ON TOP. | | | |
| ··· ·· · · · · · · · · · · · · · · · · | TOC INSIDE 0047 | | | | | |
| | PROD PERES: 6939' 69 | 944' 6982' 6 | 986' 6989' 7010' | | · · · · · · · · · · · · · · · · · · · | |
| | | | | | | |
| | | 2,7200,720 | 0,7021,7000,7000, | | · · · · · · | |
| | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | | | | | |
| | | . , , , , , , , , , , , , , , , , , , , | | | | |
| | HAVE 10# BRINE W/ I | NHIBITORS | S BETWEEN ALL | | | |
| | PLUGS. ALL CMT IS 'C | G', 15.8#, 1.1 | 5Y. NOTE: | | | |
| | | | | | | |
| | 3289'. | | | | | |
| | | | | | | |
| | | And the state of t | | | | |
| | MARKER PLATE WEL | LDED ON TO | OP W/ WEEP HOLE. | | | |
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| | | | | | | |
| | | | | I | | ····· |
| PREPAREI | D FOR: | OFFICE: | | FAX: | | |
| | | <u> </u> | | | | |
| | | FWI | NN WELL SI | CRVIC | ES IN | 7 |
| | <u> </u> | →• ≖• ∀▼ ■ | TITE TELEVISION | | المالية وما | ∪• |
| | | | | | | |
| | PLUG #4 PLUG #3 PLUG #1 PLUG #1 | UP SURFACE. PUMP (AND 6 SX ABOVE. TO AND 6 SX ABOVE. TO CIRCULATION UP SU TOTAL. 120 SX BELO 5-1/2" CSG) AND 45 S. PLUG #3 PERF 4 SPF AT 4200'. TOTAL. 54 SX BELOV TOC INSIDE 3964' PLUG #2 BALANCED CMT PLU BOC AT 6267' PLUG #1 CIBP SET AT 6902'. SF TOC INSIDE 6847' PROD PERFS: 6939', 6 7152', 7161', 7279', 728 7380', 7383'. HAVE 10# BRINE W/ PLUGS. ALL CMT IS ' WAS MADE TO CIRC 3289'. CSG CUT OFF 3' BELO MARKER PLATE WEI PREPARED BY: FRANK WINN PREPARED FOR: | UP SURFACE. PUMP 60 SX CMT AND 6 SX ABOVE. TOC AT 962' II PLUG #4 PERF 4 SPF AT 3289. CICR AT 308 | PLUG #2 BALANCED CMT PLUG OF 60 SX. TOC AT 5714' AND BOC AT 6267' PLUG #1 CIBP SET AT 6902'. SPOT 10 SX CMT ON TOP. TOC INSIDE 6847' PROD PERFS: 6939', 6944', 6982', 6986', 6989', 7010', 7152', 7161', 7279', 7282', 7285', 7290', 7321', 7330', 7333', 7380', 7383'. HAVE 10# BRINE W/ INHIBITORS BETWEEN ALL PLUGS. ALL CMT IS 'G', 15.8#, 1.15Y. NOTE: WAS MADE TO CIRCULATE SURFACE W/ PERFS AT 3289'. CSG CUT OFF 3' BELOW SURFACE AND HAVE A 3'x3' MARKER PLATE WELDED ON TOP W/ WEEP HOLE. PREPARED BY: FRANK WINN PREPARED FOR: OFFICE: | UP SURFACE. PUMP 60 SX CMT TOTAL. 54 SX AND 6 SX ABOVE. TOC AT 962' INSIDE. PLUG #4 PERF 4 SPF AT 3289. CICR AT 3083'. UNABLE TO GET CIRCULATION UP SURFACE CSG. PUMP 165 SX CMT TOTAL. 120 SX BELOW CICR (20 BBLS CMT BEHIND 5-1/2" CSG) AND 45 SX ABOVE CICR. TOC INSIDE PLUG #3 PERF 4 SPF AT 4200'. CICR AT 4018'. PUMP 60 SX TOTAL. 54 SX BELOW CICR AND 6 SX ABOVE. TOC INSIDE 3964' PLUG #2 BALANCED CMT PLUG OF 60 SX. TOC AT 5714' AND BOC AT 6267' PLUG #1 CIBP SET AT 6902'. SPOT 10 SX CMT ON TOP. TOC INSIDE 6847' PROD PERFS: 6939', 6944', 6982', 6986', 6989', 7010', 7152', 7161', 7279', 7282', 7285', 7290', 7321', 7330', 7333', 7380', 7383'. HAVE 10# BRINE W/ INHIBITORS BETWEEN ALL PLUGS. ALL CMT IS 'G', 15.8#, 1.15Y. NOTE: WAS MADE TO CIRCULATE SURFACE W/ PERFS AT 3289'. CSG CUT OFF 3' BELOW SURFACE AND HAVE A 3'x3' MARKER PLATE WELDED ON TOP W/ WEEP HOLE. PREPARED BY: FRANK WINN PREPARED FOR: OFFICE: FAX: | UP SURFACE. PUMP 60 SX CMT TOTAL. 54 SX AND 6 SX ABOVE. TOC AT 962' INSIDE. PLUG #4 PERF 4 SPF AT 3289. CICR AT 3083'. UNABLE TO GET CIRCULATION UP SURFACE CSG. PUMP 165 SX CMT TOTAL. 120 SX BELOW CICR (20 BBLS CMT BEHIND) 5-1/2" CSG) AND 45 SX ABOVE CICR. TOC INSIDE PLUG #3 PERF 4 SPF AT 4200'. CICR AT 4018'. PUMP 60 SX TOTAL. 54 SX BELOW CICR AND 6 SX ABOVE. TOC INSIDE 3964' PLUG #2 BALANCED CMT PLUG OF 60 SX. TOC AT 5714' AND BOC AT 6267' PLUG #1 CIBP SET AT 6902'. SPOT 10 SX CMT ON TOP. TOC INSIDE 6847' PROD PERFS: 6939', 6944', 6982', 6986', 6989', 7010', 7152', 7161', 7279', 7282', 7285', 7290', 7321', 7330', 7333', 7380', 7383'. HAVE 10# BRINE W/ INHIBITORS BETWEEN ALL PLUGS. ALL CMT IS 'G', 15.8#, 1.15Y. NOTE: WAS MADE TO CIRCULATE SURFACE W/ PERFS AT 3289'. CSG CUT OFF 3' BELOW SURFACE AND HAVE A 3'x3' MARKER PLATE WELDED ON TOP W/ WEEP HOLE. |

Division of Oil, Gas and Mining

OPERATOR CHANGE WORKSHEET

ROUTING 1. DJJ 2. CDW

X Change of Operator (Well Sold)

Operator Name Change/Merger

| The operator of the well(s) listed below has char | 1/6/2006 | | | | | |
|--|-----------------------|--------------------|----------------|-----------------|-----------|-------------|
| FROM: (Old Operator): | TO: (New Or | perator): | _ | | | |
| N2115-Westport Oil & Gas Co., LP | | N2995-Kerr-M | | & Gas Onshor | e, LP | |
| 1368 South 1200 East | | | outh 1200 | | | |
| Vernal, UT 84078 | | Vernal, | , UT 8407 | 8 | | |
| Phone: 1-(435) 781-7024 | | Phone: 1-(435) | 781-7024 | | | |
| CA No. | | Unit: | | | | |
| WELL NAME | SEC TWN RNG | | ENTITY | LEASE | WELL | WELL |
| | | | NO | TYPE | TYPE | STATUS |
| OPERATOR CHANGES DOCUMENT | ATION | | | | | |
| Enter date after each listed item is completed | | | | | | |
| 1. (R649-8-10) Sundry or legal documentation was | s received from the | FORMER ope | rator on: | 5/10/2006 | | |
| 2. (R649-8-10) Sundry or legal documentation wa | | = | | 5/10/2006 | | |
| 3. The new company was checked on the Depart | | - | | | n: | 3/7/2006 |
| 4a. Is the new operator registered in the State of U | | Business Numb | | 1355743-018 | | 3/1/2000 |
| 4b. If NO, the operator was contacted contacted of | | _ | | 10007 10 010 | , | |
| 5a. (R649-9-2)Waste Management Plan has been re | ceived on: | IN PLACE | | | | |
| 5b. Inspections of LA PA state/fee well sites comp | lete on: | n/a | • | | | |
| 5c. Reports current for Production/Disposition & S | undries on: | ok | | | | |
| 6. Federal and Indian Lease Wells: The | BLM and or the] | BIA has appro | ved the r | nerger, nan | ne chang | ge, |
| or operator change for all wells listed on Federa | | | BLM | 3/27/2006 | | not yet |
| 7. Federal and Indian Units: | | | | | | |
| The BLM or BIA has approved the successor | | | | 3/27/2006 | | |
| 8. Federal and Indian Communization | • | , | | | | |
| The BLM or BIA has approved the operator | | | 177767 | n/a | | |
| 9. Underground Injection Control ("U | , | ivision has appro | | | ster of A | uthority to |
| Inject, for the enhanced/secondary recovery un DATA ENTRY: | 1t/project for the w | ater disposal well | l(s) listed of | on: | | |
| | | 5/15/0006 | | | | |
| Changes entered in the Oil and Gas Database Changes have been entered on the Monthly Or | | 5/15/2006 | | E/1 E/200C | | |
| 3. Bond information entered in RBDMS on: | erator Change Sp | 5/15/2006 | | 5/15/2006 | | |
| Fee/State wells attached to bond in RBDMS on | • | 5/16/2006 | | | | |
| 5. Injection Projects to new operator in RBDMS of | | 3/10/2000 | | | | |
| 6. Receipt of Acceptance of Drilling Procedures for | | | n/a | Name Chang | ge Only | |
| BOND VERIFICATION: | | | | | | |
| 1. Federal well(s) covered by Bond Number: | | CO1203 | | | | |
| 2. Indian well(s) covered by Bond Number: | | RLB0005239 | | | | |
| 3. (R649-3-1) The NEW operator of any fee well(| s) listed covered by | Bond Number | - | RLB0005236 | j j | |
| a. The FORMER operator has requested a release The Division sent response by letter on: | of liability from the | eir bond on: | n/a | rider added | KMG | |
| LEASE INTEREST OWNER NOTIFICATION: | | | | | | |
| 4. (R649-2-10) The FORMER operator of the fee | | acted and inform | ned by a le | tter from the I | Division | |
| of their responsibility to notify all interest owner | s of this change on | : | 5/16/2006 | | | |
| COMMENTS: | | | | | | |
| | | | | | | |

4 Form 3 160-5 (August 1999)

UNITED STATES DEPARTMENT OF THE INTERIOR **BUREAU OF LAND MANAGEMENT**

FORM APPROVED OMB No. 1004-0135 Expires Jnovember 30, 2000

5. Lease Serial No.

MULTIPLE LEASES

SUNDRY NOTICES AND REPORTS ON WELLS

| | rorm for proposals to Use Form 3160-3 (APD) | 6. If Indian, Allottee or Tribe Name | | | |
|---|--|--|---|--|-------------------------|
| SUBMIT IN TRIPL | 7. If Unit or CA/Agreement | t, Name and/or No. | | | |
| I. Type of Well | | | | | |
| Oil Well X Gas Well | 8. Well Name and No. | | | | |
| 2. Name of Operator | | | | MUTIPLE WELLS | 3 |
| KERR-McGEE OIL & GAS C | NSHORE LP | | | 9. API Well No. | |
| 3a. Address | | 3b. Phone No. (inc | 1 | | |
| 1368 SOUTH 1200 EAST V | ERNAL, UT 84078 | (435) 781-7024 | | 10. Field and Pool, or Exploi | ratory Area |
| 4. Location of Well (Footage, Sec., | T., R., M., or Survey Description | on) | | | |
| | | | | 11. County or Parish, State | |
| SEE ATTACHED | | | | UINTAH COUNTY, U | TAH |
| 12. CHECK APP | ROPRIATE BOX(ES) TO I | INDICATE NATUR | E OF NOTICE, R | EPORT, OR OTHER DAT | A |
| TYPE OF SUBMISSION | | Т | YPE OF ACTION | l | |
| Notice of Intent | Acidize Alter Casing | Deepen Fracture Treat | Production Reclamatio | (Start/Resume) Water S | |
| Subsequent Report | Casing Repair | New Constructio | | | CHANGE OF |
| _ | Change Plans | Plug and Abando | | | |
| Final Abandonment Notice | Convert to Injection | Plug Back | Water Disp | osal | |
| PLEASE BE ADVISED THA OPERATOR OF THE ATTAK KERR-McGEE OIL & GAS COF THE LEASE(S) FOR TH | al inspection. T KERR-McGEE OIL & CHED WELL LOCATIO DNSHORE LP, IS RESI | GAS ONSHORI ONS. EFFECTIV PONSIBLE UND | E LP, IS CONS E JANUARY 6 ER TERMS AN | IDERED TO BE THE , 2006. ID CONDITIONS | RECEIVED MAY 1 0 2006 |
| IS PROVIDED BY STATE O | F UTAH NATIONWIDE | E BOND NO. RLE | 30005237. | ת. מ | IV. OF OIL. GAS & MININ |
| OF THE LEASE(S) FOR TH IS PROVIDED BY STATE OF BLM B | 0110 - 101200 | , Α | IPPROVE | D 51/6/05 | in or oral arise arise. |
| BIA B | ONO = C 0/203 ONO = RLB 00 | 05239 | Carlone | Russell | |
| 14. I hereby certify that the foregoin | g is true and correct | | | Gas and Mining | |
| Name (Printed/Typed) | | 1 | - | Engineering Technicia | n |
| RANDY BAYNE | | DRILLING MA | ANAGER | | |
| Signature / Sayru | | Date May 9, 2006 | | | |
| (| THIS SPACE | E FOR FEDERAL OI | R STATE USE | | |
| Approved by | | Title | | Date | |
| Conditions of approval, if any, are attached certify that the applicant holds legal or equ which would entitle the applicant to conduct | itable title to those rights in the sub | | | | |

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any

false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Form 3 160-5 (August 1999)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED OMB No. 1004-0135 Expires Inovember 30, 2000

5. Lease Serial No.

MULTIPLE LEASES

SUNDRY NOTICES AND REPORTS ON WELLS

| Do not use this abandoned well. | 6. If Indian, Allottee or Tribe Name | | | | | |
|--|--|---|---|--|--|--|
| SUBMIT IN TRIPL | 7. If Unit or CA/Agreement, Name and/or No. | | | | | |
| 1. Type of Well | | | | | | |
| Oil Well X Gas Well | | | | | | |
| 2. Name of Operator | | | MUTIPLE WELLS | | | |
| WESTPORT OIL & GAS CO | MPANY L.P. | | 9. API Well No. | | | |
| 3a. Address | 31 | (************************************** | | | | |
| 1368 SOUTH 1200 EAST V | | 435) 781-7024 | 10. Field and Pool, or Exploratory Area | | | |
| 4. Location of Well (Footage, Sec., | T., R., M., or Survey Description) | | | | | |
| SEE ATTACHED | | | 11. County or Parish, State UINTAH COUNTY, UTAH | | | |
| 12. CHECK APP | ROPRIATE BOX(ES) TO INI | DICATE NATURE OF NOTICE | E, REPORT, OR OTHER DATA | | | |
| TYPE OF SUBMISSION | | TYPE OF ACT | ION | | | |
| Notice of Intent | Acidize Alter Casing | Fracture Treat Reclam | tion (Start/Resume) Water Shut-Off well Integrity | | | |
| Subsequent Report | Casing Repair | New Construction Recom | | | | |
| Final Abandonment Notice | Change Plans Convert to Injection | = <u>=</u> | rarily Abandon OPERATOR Disposal | | | |
| following completion of the involved | operations. If the operation results it bandonment Notices shall be filed on all inspection. One, WESTPORT OIL & COMPARE ATTACHED WELL L. | in a multiple completion or recompletion of recompletion of the all requirements, including the state of the | GEE OIL & GAS | | | |
| | Division of | f Oil, Cas and Mining ssell, Engineering Technic | MAY 1 0 2006 DIV OF OIL, GAS & MINING | | | |
| 14. I hereby certify that the foregoing Name (Printed/Typed) BRAD LANEY | з is true and correct | Title ENGINEERING SPECIAL Date | , | | | |
| Signature | | | | | | |
| | THIS SPACE F | May 9, 2006 OR FEDERAL OR STATE USE | | | | |
| Approved by | | Title | Date | | | |
| Conditions of approval, if any, are attached certify that the applicant holds legat of equi which would entitle the applicant to conduct | itable title to those rights in the subject | rant or Office | 5-9-06 | | | |
| Title 18 U.S.C. Section 1001, make false, fictitious or fraudulent stateme | it a crime for any person knowing or representations as to any m | ngly and willfully to make to any atter within its jurisdiction. | department or agency of the United States any | | | |



United States Department of the Interior

BUREAU OF LAND MANAGEMENT Colorado State Office 2850 Youngfield Street Lakewood, Colorado 80215-7076

IN REPLY REFER TO:

CO922 (MM) 3106 COC017387 et. al.

March 23, 2006

NOTICE

Kerr-McGee Oil & Gas Onshore L.P. 1999 Broadway, Suite 3700

Denver, CO 80202

Oil & Gas

Merger/Name Change - Recognized

On February 28, 2006 this office received acceptable evidence of the following mergers and name conversion:

Kerr-McGee Oil & Gas Onshore L.P., a Delaware Limited Partnership, and Kerr-McGee Oil & Gas Onshore LLC, a Delaware Limited Partnership merger with and into Westport Oil and Gas Company L.P., a Delaware Limited Partnership, and subsequent Westport Oil & Gas Company L.P. name conversion to Kerr-McGee Oil & Gas Onshore L.P.

For our purposes the merger and name conversion was effective January 4, 2006, the date the Secretary of State of Delaware authenticated the mergers and name conversion.

Kerr-McGee Oil & Gas Onshore L.P. provided a list of oil and gas leases held by the merging parties with the request that the Bureau of Land Management change all their lease records from the named entities to the new entity, Kerr-McGee Oil & Gas Onshore L.P. In response to this request each state is asked to retrieve their own list of leases in the names of these entities from the Bureau of Land Management's (BLM) automated LR2000 data base.

The oil and gas lease files identified on the list provided by Kerr-McGee Oil & Gas Onshore L.P. have been updated as to the merger and name conversion. We have not abstracted the lease files to determine if the entities affected by the acceptance of these documents holds an interest in the lease, nor have we attempt to identify leases where the entity is the operator on the ground that maintains vested record title or operating rights interests. If additional documentation, for change of operator, is required you will be contacted directly by the appropriate Field Office. The Mineral Management Services (MMS) and other applicable BLM offices were notified of the merger with a copy of this notice

Please contact this office if you identify additional leases where the merging party maintains an interest, under our jurisdiction, and we will document the case files with a copy of this notice. If the leases are under the jurisdiction of another State Office that information will be forwarded to them for their action.

Three riders accompanied the merger/name conversion documents which will add Kerr-McGee Oil and Gas Onshore LLC as a principal to the 3 Kerr-McGee bonds maintained by the Wyoming State Office. These riders will be forward to them for their acceptance.

The Nationwide Oil & Gas Continental Casualty Company Bond #158626364 (BLM Bond #CO1203), maintained by the Colorado State Office, will remain in full force and effect until an assumption rider is accepted by the Wyoming State Office that conditions their Nationwide Safeco bond to accept all outstanding liability on the oil and gas leases attached to the Colorado bond.

If you have questions about this action you may call me at 303.239.3768.

/s/Martha L. Maxwell
Martha L. Maxwell
Land Law Examiner
Fluid Minerals Adjudication

Attachment:

List of OG Leases to each of the following offices:
MMS MRM, MS 357B-1
WY, UT, NM/OK/TX, MT/ND, WY State Offices
CO Field Offices
Wyoming State Office

Rider #1 to Bond WY2357 Rider #2 to Bond WY1865 Rider #3 to Bond WY1127



United States Department of the Interior



BUREAU OF LAND MANAGEMENT
Utah State Office
P.O. Box 45155
Salt Lake City, UT 84145-0155
http://www.blm.gov

IN REPLY REFER TO: 3106 (UT-922)

March 27, 2006

Memorandum

To:

Vernal Field Office

From:

Chief, Branch of Fluid Minerals

Subject:

Merger Approval

Attached is an approved copy of the merger recognized by the Bureau of Land Management, Colorado State Office. We have updated our records to reflect the merger from Westport Oil and Gas Company L.P. into Kerr-McGee Onshore Oil and Gas Company. The merger was approved effective January 4, 2006.

Chief, Branch of Fluid Minerals

Enclosure

Approval letter from BLM COSO (2 pp)

ĊC:

MMS, Reference Data Branch, James Sykes, PO Box 25165, Denver CO 80225

State of Utah, DOGM, Attn: Earlene Russell, PO Box 145801, SLC UT 84114

Teresa Thompson

Joe Incardine

Connie Seare

Dave Mascarenas

Susan Bauman

MAR 2 8 2006

EMOFOL, CAO LIMINA